

GRENIER & ASSOCIATES, INC.

ENVIRONMENTAL PLANNING • LICENSING & PERMITTING • REGULATORY COMPLIANCE

February 17, 2012

Compliance Log #2012-004

Ms. Christine Stora
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814

Subject: Lodi Energy Center (08-AFC-10C)
Condition of Certification COM-6
Monthly Compliance Report #18

Dear Ms. Stora:

In compliance with Condition of Certification COM-6 as set forth in the California Energy Commission's Final Decision for the Lodi Energy Center Project, enclosed please find one hard copy and one electronic version of the project's eighteenth Monthly Compliance Report for the period ending January 31, 2012.

If you have any questions regarding this submittal, please contact me at (916) 780-1171.

Sincerely,



Andrea Grenier
Environmental Compliance Manager
for the Lodi Energy Center Project

cc: Mike DeBortoli, NCPA



Lodi Energy Center Project



January 2012
Reporting Period

Monthly Compliance Report #18

This document has been prepared by Grenier & Associates, Inc. on behalf of the Northern California Power Agency and represents the eighteenth monthly compliance report for the Lodi Energy Center Project. The information contained in this report covers construction, commissioning, and environmental compliance activities performed during January 2012.

Lodi Energy Center Project

Docket 08-AFC-10C

January 2012
Reporting Period

Monthly Compliance Report #18

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MONTHLY COMPLIANCE REPORT #18

ONE | INTRODUCTION

On April 21, 2010, the California Energy Commission (CEC) issued a license to the Northern California Power Agency (NCPA) for the construction and operation of the Lodi Energy Center Project. The CEC Compliance Project Manager (CPM) issued an Authority to Construct letter to NCPA on July 14, 2010, allowing the start of construction activities for all power plant and related linear facilities.

This document constitutes NCPA's eighteenth Monthly Compliance Report (MCR) for the Lodi Energy Center Project, as required by Condition of Certification COM-6 in the CEC Final Decision for the Project. The information in this report documents the construction, commissioning, and environmental compliance activities that were performed during January 2012.

TWO | OVERALL PROJECT STATUS

NCPA has contracted with several companies to provide the engineering, procurement, and construction services needed to build the Lodi Energy Center Project. WorleyParsons (WP) is performing as NCPA's owners engineer and construction manager, providing engineering, procurement, and design services and overseeing the construction of the project. Siemens is providing the power island equipment, which includes the combustion turbine generator and associated equipment. ARB, Inc. (ARB) is the construction contractor for the power plant and transmission interconnection facilities. Pacific Gas and Electric Company (PG&E) will design, build, and operate the natural gas pipeline associated with the project.

As of the end of January 2012, the project was 89.1 percent complete overall. The following table presents the percent complete numbers for the engineering, procurement, and construction activities as of the end of the month.

Activity	% Complete
Engineering	99.9
Procurement	100.0
Construction	82.5

During January, ARB continued installing pipe in the HRSG and STG Area piperacks. The Hot Reheat pipe is complete, with only the tie-in welds to the turbine remaining. The DC power systems and the DCS are operational. Backfeed down to the 480v bus level was accomplished. Piping erection inside the STG Enclosure continued.

The Water Treatment Building roofing and east wall siding were completed. Piping work and raceway installation continued throughout the Water Treatment area. The Mezzanine block walls were painted (sealed). ARB's insulation contractor (FarWest) completed the drum insulation/lagging, continued with insulation and lagging of the HRSG piping, and started insulation of the CT piping within the CT enclosure.

The painting and coating subcontractor (Techno) was on site painting the HRSG casing and ductwork, CTG enclosures, and air inlet filter. It also began coatings work on the WT Area tanks and installed foundation & trench coatings in the Chem Feed Area. ARB drilled the potable water well, and began drilling the CTWR emergency makeup water well. SPX, the Cooling Tower supplier, completed tower erection and demobilized.

Weekly coordination calls were held during the reporting period between NCPA, WP, and ARB. A project summary schedule is included in Exhibit 1 of this report. A key events list is included in Exhibit 2. The anticipated commercial operation date for the LEC is July 2012.

An aerial view of the project site taken in January is shown in Figure 1. Additional construction photos are provided in Exhibits 3 and 8.



FIGURE 1: AERIAL VIEW OF LEC PROJECT SITE – January 2012

THREE | CONSTRUCTION AND COMMISSIONING ACTIVITIES

This section of the MCR focuses on the construction and commissioning activities that were accomplished during the reporting period.

Construction

The following major construction activities were accomplished at the LEC project site during January:

General Activities

- Continued procurement, field fabrication of aboveground piping
- Continued installation of street lighting foundations, conduit
- Continued installation of instrumentation at CTG and HRSG areas
- Continued miscellaneous pipe support foundations

STG Activities

- Continued installation of steam turbine package
- Continued installation of STG interconnecting piping
- Continued installation of electrical at service water pumps
- Continued installation of LB AG pipe and supports at STG pipe rack
- Continued installation of STG ISO phase
- Completed installation of cable tray at STG pipe rack
- Continued installation of STG electrical and instrumentation
- Completed erection of STG enclosure – roof
- Continued installation of STG man door entry stoops

HRSG Activities

- Completed insulation of HRSG drums and tanks
- Continued insulation of HRSG piping
- Continued painting
- Continued installation of CEMS and hookup
- Continued cable terminations

West Area Activities

- Continued pipe above boiler feed water pumps
- Commenced installation of Auxiliary Boiler interconnecting piping and supports
- Continued tie-in of Auxiliary steam piping to Aux boiler
- Completed installation of large bored closed cooling and circ water piping at and above heat exchangers and closed cooling pumps
- Commenced AG pipe at service water tank
- Continued electrical at service water pumps
- Completed setting of sample panel
- Commence installation of sample panel tubing

Cooling Tower Area

- Completed platform steel
- Continued circ and aux water pump electrical
- Continued installation of condensate pump piping (north of cooling tower)
- Commenced drilling potable water well
- Completed installation of chemical feed foundation

CTG Area Activities

- Prepared CTG electrical and instrumentation for turnover
- Continued CTG piping insulation for turnover

Water Treatment Building Activities

- Continued installation of WTB AG vendor supplied piping
- Continued WTB electrical
- Continued installation of Clarifiers and Reactors tanks, platforms and equipment
- Completed installation of remaining WTB roof over filter press area/remaining skin
- Completed major installation of WTB area equipment(north and south of WTB)
- Continued installation of WTB area equipment(west of WTB)

North Area Activities

- Completed raw water piping electrical

East Area Activities

- Completed setting Fuel Gas related equipment (Aux boiler pressure reducing station)
- Continued installation of fuel gas related piping
- Continued installation fuel gas compressor electrical and instrumentation
- Completed installation of boiler chemical feed foundation

Key construction activities ***planned for February 2012*** are described below:

General Activities

- Continue procurement, field fabrication of aboveground piping
- Continue installation of street lighting foundations, conduit
- Complete installation of instrumentation at CTG and HRSG areas
- Complete miscellaneous pipe support foundations
- Turnover portion GAC and GHC

STG Activities

- Continue installation of LB AG pipe and supports at STG pipe rack
- Complete installation of STG ISO phase
- Continue installation of STG electrical and instrumentation
- Turnover partial QFB

HRSG Activities

- Complete insulation of HRSG piping
- Complete painting

West Area Activities

- Continue installation of sample panel tubing
- Complete installation of ammonia drop off foundation

Cooling Tower Area

- Complete circ and aux water pump electrical
- Complete drilling potable water well
- Commence installation of chemical feed system
- Commence installation of piping to chemical feed system
- Commence electrical and instrumentation of chemical feed system
- Turnover PAB

CTG Area Activities

- Complete CTG electrical and instrumentation
- Complete CTG Installation
- Complete painting of CTG
- Turnover CTG

Water Treatment Building Activities

- Continue installation of WTB AG vendor supplied piping
- Continue WTB electrical
- Complete installation of Clarifiers and Reactors tanks, platforms and equipment
- Continue installation of WTB area equipment(north and south of WTB)
- Continue installation of WTB area equipment(west of WTB)

East Area Activities

- Continue installation of fuel gas related piping
- Continue installation fuel gas compressor electrical and instrumentation

Commissioning

The following commissioning activities were accomplished at the LEC project site during January:

- Accepted TOP BB-1 (4.16Kv) from construction on 1.18.12
- Accepted TOP BF-1 (480V) from construction on 1.27.12
- Successful Energization of 12kV Alternate Power
 - Turnover Package (BM) completed and turned into ARB (1.31.12) for submittal to owner
- Successful Energization of Battery; DC Power System
 - Verified all alarm screens cleared and operation is under normal conditions
- Electrical Component Testing of HVSUWY& HV Systems
 - Turnover Package (SWY) completed and turned into ARB (1.31.12) for submittal to owner
- Energization of PCS / Software / communications established shooting Loops in progress.
- PIC / EPI conducting checks on the excitation transformer and STG transformer

- Energized 480V Switchgear bus 1 & 2
- Removed temporary power feeds for BOP and ESS MCC's
- Energized 480V MCC's – STG, HRSG, Essential Services and BOP
- Submitted Draft Flushing / Cleaning Procedures for Fuel Gas Piping

Key commissioning activities ***planned for February 2012*** are described below:

- Resolution of Priority 1 Punch list items for remainder of electrical systems
- Mechanical Turnover of BOP Systems
- Begin motor pump alignments of BOP Systems
- Continue shooting Loops to support BOP commissioning
- Energize Water Treatment Building Electrical
- Submittal of chemical cleaning and STG cleaning procedures

FOUR | COMPLIANCE ACTIVITIES

This section of the monthly compliance report provides input on NCPA's activities related to ensuring that compliance with all the Conditions of Certification as set forth in the CEC's Final Decision for the Lodi Energy Center Project is achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

Compliance Matrix

The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates of any approvals by the CBO, CEC CPM, or delegate agency.

Completed Compliance Activities

The following table lists the compliance submittals that were provided to the CEC CPM during January:

Log #	Date Submitted	Condition	Subject
2011-026	12/5/11	S&W-6	Engineer's Report (CD Only)
2011-027	12/20/11	COM-6	MCR #16

Required Documents Submitted With This Report

The Final Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in this MCR. The following paragraphs describe the compliance activities that were completed during the January 2012 reporting period:

AQ-SC1: The Air Quality Construction Mitigation Manager (AQCM) for the project is responsible for directing and documenting compliance with AQ-SC3, AQ-SC4, and AQ-SC5 for the entire project site and linear facility construction. Additional AQCM delegates will be assigned as needed to cover situations when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCM is unavailable. The AQCM's daily monitoring log is available on site for the CPM's inspection.

AQ-SC2: Construction mitigation measures as set forth in Conditions AQ-SC3, AQ-SC4, and AQ-SC5 as well as in the LEC Air Quality Construction Mitigation Plan were complied with during the reporting period. The AQCM's monthly report is included in Exhibit 7.

AQ-SC3: Approximately 13,500 gallons of construction water from the White Slough Water Pollution Control Facility were used for dust control purposes. Work activities requiring dust control are more completely described in the AQCM's monthly report included in Exhibit 7.

AQ-SC4: Dust plume control measures were implemented as necessary and information on their use (if required) is included in the AQCMM's monthly report included in Exhibit 7.

AQ-SC5: A summary of the diesel engine certification information required by this condition is included as part of the AQCMM's monthly report included in Exhibit 7, along with diesel fuel purchase information.

BIO-2: Rick Crowe is the Designated Biologist for the LEC Project. His monthly Biological Resources Mitigation Implementation and Monitoring Report, which provides a summary of the January 2012 construction activities and associated biological monitoring, is included in Exhibit 8. In addition, Exhibit 8 includes documentation of PG&E's SWPPP activities associated with construction of the gas pipeline, as submitted to the Designated Biologist.

BIO-5: In accordance with this condition, 47 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,347. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

BIO-6: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how the biological mitigation measures included in the BRMIMP have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8). An updated BRMIMP was submitted to the CEC CPM in November 2011 to reflect modifications to the gas pipeline as approved by the CEC on September 29, 2011.

BIO-7: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how the impact avoidance and minimization measures have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8).

BIO-8: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how measures to minimize or avoid harassment or harm to sensitive species have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8).

BIO-9: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of giant garter snake mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-10: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of burrowing owl mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-11: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of Swainson's hawk mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-12: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of migratory bird mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-13: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of northwestern and western pond turtle mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

CIVIL 1-4: Copies of relevant CBO approval letters are provided in Exhibit 4.

COM-5: The updated compliance matrix is provided in Exhibit 6.

CUL-5: In accordance with this condition, 47 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,347. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

CUL-6: The Cultural Resources Specialist's monthly summary report is included in Exhibit 8.

GEN-2: To reduce the size of this MCR, the updated master drawing and spec list is available for viewing by accessing the LEC Project webpage that has been set up by the CBO.

GEN-3: Payments made to the CBO in January amounted to \$45,369.00.

GEN-6: Information related to the approval of any special inspectors and fabricators during the reporting period is included in Exhibit 4.

HAZ-1: On November 29, NCPA provided information requested by the CPM regarding the temporary use of a 500 gallon diesel fuel storage tank that is currently on site. The daily fuel tanker truck that is dispatched to the LEC to refuel equipment cannot satisfy this incremental additional need of the painting contractor, so a temporary diesel storage tank has been placed at the STIG to meet this need. The LEC Final Decision does not limit the amount of diesel on site to 55 gallons during the construction phase (that restriction applies to the operating phase of the project, as set forth in HAZ-1, Attachment A.) The diesel storage tank will be removed once Paso Robles completes its work activities.

MECH-1: Information related to inspection approvals of any major piping or plumbing mechanical systems is provided in Exhibit 4.

MECH-2: Information related to the inspection approvals of any HVAC and pressure vessel systems is provided in Exhibit 4.

PAL-4: In accordance with this condition, 47 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,347. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

PAL-5: The Paleontological Resource Specialist's monthly report is included in Exhibit 8.

S&W-2: Information related to the implementation of construction SWPPP activities is included in the Air Quality Construction Mitigation Manager's Monthly Report provided in Exhibit 7.

S&W-7: Staff approved start of construction of the well on November 14, 2011. A well completion report will be filed when the work is completed.

STRUC-1: Copies of relevant CBO approval letters are provided in Exhibit 4.

STRUC-2: A log of the Non-Compliance Reports is provided in Exhibit 12.

STRUC-4: Information related to the CBO's approval of any structural inspections is provided in Exhibit 4.

TSE-1: WorleyParsons initial submittal of the master drawing and spec list of the transmission system was approved by the CBO on August 5, 2010. To reduce the size of this MCR, the updated list is available for viewing by accessing the LEC Project webpage that has been set up by the CBO.

TSE-4: This condition requires information related to the following topics: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted. All electrical equipment has been received and testing is underway. Backfeed was successfully completed on December 16, 2011.

TLSN-3: Pre-energization EMF surveys were conducted in December and the required report will be submitted to the CPM in January.

VIS-1: No construction-related lighting complaints were received during the reporting period.

VIS-4: Installation of exterior lighting continues. A request for an onsite inspection by the CEC CPM will be requested once the work is completed.

Worker Safety-3: NCPA's Construction Safety Supervisor's monthly safety report is included in Exhibit 10.

Worker Safety-4: The CBO Safety Monitor's monthly report is included in Exhibit 10.

Submittal Deadlines Not Met

None

Approved Changes to Conditions of Certification

No requests for changes to any Conditions of Certification were made during the reporting period.

Filings or Permits Issued by Other Governmental Agencies

None this period.

Projected Compliance Activities for February/March 2012

NCPA will continue to report progress on the compliance activities noted above. In addition, the following compliance documents will continue to be monitored with the CEC or submitted during February/March:

- TLSN-3: Pre-Energization EMF Survey Report

Listing of Additions to Onsite Compliance Files During the Reporting Period

Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

Requests to Dispose of Items Required To Be In Compliance Files

For this reporting period, no requests are being made for the disposal of items listed in the project owner's compliance files.

Exhibit 1

Project Summary Schedule

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Activity ID	Activity Name	Original Duration	Activity % Complete	Total Float	Start	Finish	BL1 Start	BL1 Finish	2011			2011												2012											
									Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
CON370	INSTALL AUXILIARY BOILER	45	100%		02-Sep-11 A	28-Sep-11 A	05-Jul-11	06-Sep-11																											
CON290	INSTALL BOILER FEED WATER PUMPS	22	95%	44	05-Sep-11 A	29-Nov-11	06-Sep-11	05-Oct-11																											
CON220	ERECT COOLING TOWER (OTHERS)	70	55%	85	26-Sep-11 A	06-Jan-12	22-Apr-11	20-Sep-11																											
CON274	HYDROTEST HRSG	5	100%		30-Sep-11 A	18-Nov-11 A	16-Jan-12	20-Jan-12																											
CON300	INSTALL CONDENSATE PUMPS	10	95%	44	30-Sep-11 A	28-Nov-11	16-Sep-11	29-Sep-11																											
CON262-2	TRIM OUT ST GSU	5	90%	115	08-Nov-11 A	02-Dec-11																													
CON170	INSTALL FUEL GAS COMPRESSORS	30	95%	52	22-Nov-11 A	28-Dec-11	07-Jul-11	17-Aug-11																											
CON390	INSTALL STEAM SAMPLE PANEL	10	0%	74	28-Nov-11	09-Dec-11	13-Feb-12	24-Feb-12																											
CON380	INSTALL CHEMICAL FEED SYSTEMS	22	0%	2	28-Nov-11	28-Dec-11	23-Sep-11	24-Oct-11																											
CON284	COMPLETE INSULATION OF STEAM CYCLE PIPING	30	0%	58	28-Nov-11	09-Jan-12	23-Jan-12	02-Mar-12																											
CON294-2	SET & TRIM OUT ST GEN CKT BRKR	5	0%	115	02-Dec-11	09-Dec-11																													
CON255-2	ERECT ISOPHASE FROM GSUs TO ST GEN CKT BRKR	10	70%	115	09-Dec-11	23-Dec-11																													
CON355	COMPLETE INSTALLATION OF STG ISOPHASE	20	0%	46	21-Dec-11	19-Jan-12	30-Jan-12	24-Feb-12																											
CON080	Potable Well Drilling	20	0%	85	09-Jan-12	03-Feb-12																													
PLANT COMMISSIONING		195		-28	14-Oct-11 A	11-Jul-12	01-Aug-11	01-Jun-12																											
COM120	PLANT COMMISSIONING	167	5%	-28	14-Oct-11 A	11-Jul-12	15-Nov-11	17-May-12																											
COM100	COMMISSION SWITCHYARD & TRANSMISSION LINE	22	20%	-75	03-Nov-11 A	04-Jan-12	01-Aug-11	30-Aug-11																											
COM110	COMMISSION ELECTRICAL EQUIP FOR BACKFEED	20	70%	-75	21-Nov-11 A	18-Jan-12	02-Sep-11	30-Sep-11																											
COM135	CHEMICAL CLEAN HRSG & STEAM CYCLE PIPING	10	0%	58	10-Jan-12	23-Jan-12	05-Mar-12	16-Mar-12																											
COM130	COMMISSION WATER TREATMENT SYSTEM	60	0%	-32	14-Feb-12	08-May-12	28-Nov-11	20-Feb-12																											
COM140	STEAM BLOWS	25	0%	-27	22-May-12	25-Jun-12	26-Mar-12	27-Apr-12																											
COM150	PERFORMANCE TESTING	10	0%	-27	26-Jun-12	09-Jul-12	30-Apr-12	25-May-12																											
COM160	RELIABILITY RUN	7	0%	-38	02-Jul-12	09-Jul-12	25-May-12	01-Jun-12																											

Exhibit 2

Key Events List

KEY EVENTS LIST

PROJECT: LODI ENERGY CENTER

DOCKET #: 08-AFC-10C

COMPLIANCE PROJECT MANAGER: CHRISTINE STORA

EVENT DESCRIPTION	DATE
Certification Date	4/21/10
Obtain Site Control	3/22/10
Online Date	JULY 2012
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	7/30/10
Start Ground Disturbance	8/7/10
Start Grading	8/7/10
Start Construction	10/1/10
Begin Pouring Major Foundation Concrete	10/8/10
Begin Installation of Major Equipment	11/1/10
Completion of Installation of Major Equipment	3/5/12
First Combustion of Gas Turbine	3/23/12
Obtain Building Occupation Permit	?
Start Commercial Operation	7/17/12
Complete All Construction	7/17/12
TRANSMISSION LINE ACTIVITIES	
Start T/L Construction	6/8/11
Synchronization with Grid and Interconnection	3/29/12
Complete T/L Construction	7/5/11
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	10/1/11
Complete Gas Pipeline Construction	2/1/12
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction	11/15/11
Complete Water Supply Line Construction	11/23/11

Exhibit 3

Construction Photographs



Water Treatment Area (looking north)



Water Treatment Area (looking southwest)



Water Treatment Building Mezzanine Floor



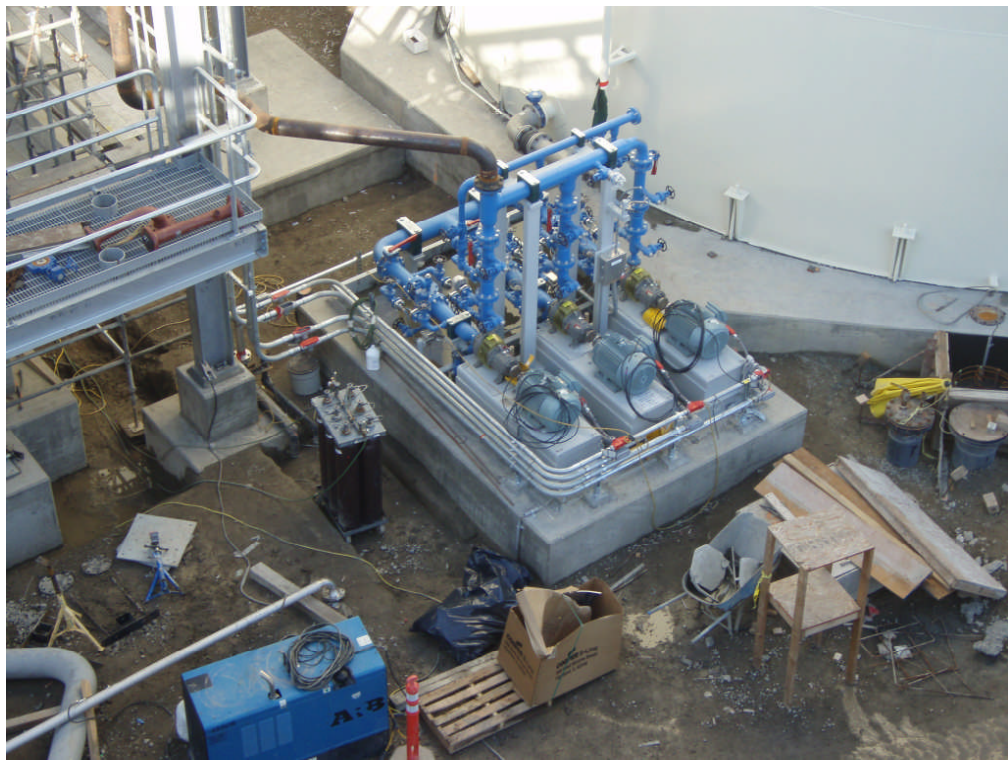
Water Treatment Building Mezzanine Electrical Room. VFD's



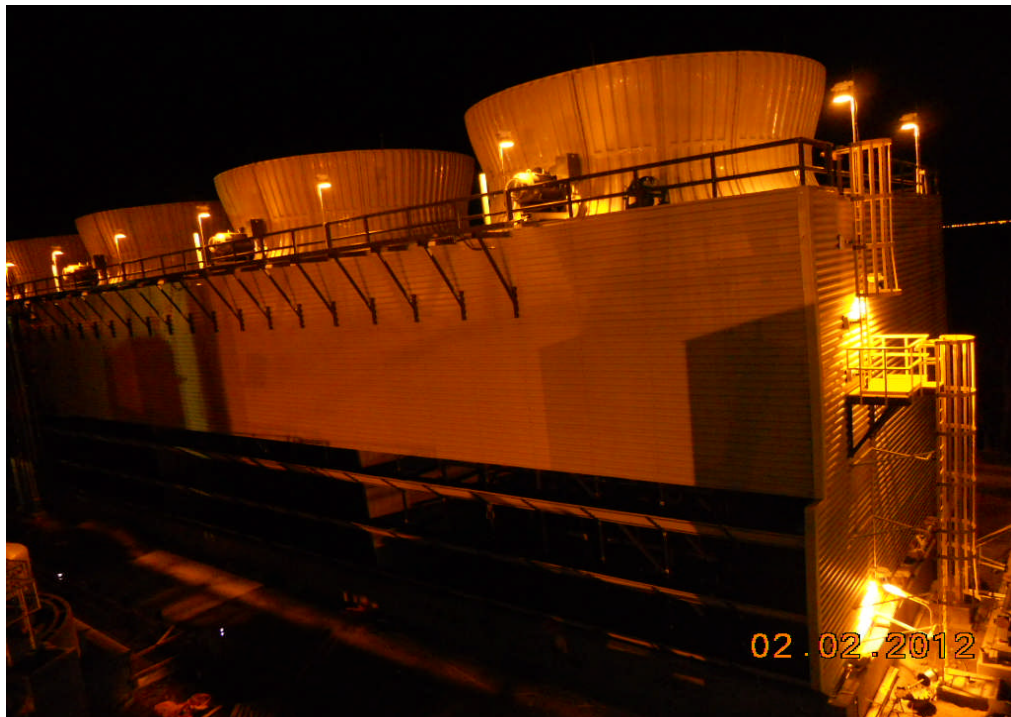
Drilling Potable Water Well



Condensate Pumps



Service Water Pumps



Cooling Tower (looking southeast)



Cooling Tower Pump Basin Inspection



Piperack (looking north)



Aux Boiler (looking east)



Vacuum Pumps



HRSG Blowdown Tank



HRSG Drums Insulated



Painting Inlet Duct



Sample Panel



STG Isophase, Above Gnerator



HR Connection to IP Turbine



Setting Waste Water Injection Pumps

Exhibit 4

CBO Approvals

Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Friday, January 13, 2012 9:34 AM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



GEN-06 17.0 (REV 0) (120113).zip

Revised - REVIEWED FOR REFERENCE: Kobelco and Siemens Water Tech -
Application for Approved Fabricator

Download this file 3.71 MB

Category: -Plan Review REFERENCE ONLY

[View all files for this project](#)

This message was sent to Adelia Bartelme, Ed Warner, Jeremy Lawson, Joe Bittner, Laura Lochridge, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Hughes, and Susan Christopherson.

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Delivered by
[Basecamp](#)

Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Monday, January 23, 2012 9:56 AM

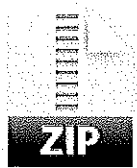
To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



STRUCT-01A 41.5 (REV 0) (120123).zip

REVIEWED FOR REFERENCE: Mezzanine Deck Concrete Mix

Download this file 1.82 MB

Category: -Plan Review REFERENCE ONLY

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Monday, January 23, 2012 10:04 AM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



TLNS-01 0.0 (REV 3) (120123).zip

APPROVED: 230KV Switchyard Drawings

Download this file 513 KB

Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Tuesday, January 24, 2012 12:51 PM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



MECH-03 0.0 (REV 2) (120124).zip

APPROVED: HVAC Design

Download this file 3.65 MB

Category: -Plan Review APPROVALS

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Delivered by
[Basecamp](#)

Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Wednesday, January 25, 2012 2:44 PM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



STRUCT-01A 41.2 (REV 2) (120125).zip

CONDITIONAL APPROVAL: WTB Architectural Drawings

Download this file 7.05 MB

Category: -Plan Review CONDITIONAL APPROVAL

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Tuesday, January 31, 2012 8:51 AM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



STRUC-1 50.0 (REV 0) (120131).zip

APPROVED: Wastewater Sump (Transbay Steel)

[Download this file](#) 693 KB

Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, January 06, 2012 9:06 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: [Lodi Energy Center](#)
Company: TRB and Associates

Stacey Hughes uploaded a new file:



STRUC-1 49.0 (REV 0) (120106).zip

COMMENTS: Rebar Couplers for the Masonry Walls in the WTB

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Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Wednesday, January 11, 2012 4:06 PM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



MECH-01A 95.0 (REV 1) (120111).zip

COMMENTS: Fire Alarm / Fire Suppression

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Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Monday, January 30, 2012 9:32 AM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



MECH-01A 96.0 (REV 1) (120130).zip

COMMENTS: STG Fire Protection System (Summit)

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Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]

Sent: Monday, January 30, 2012 9:39 AM

To: Hays, Nancy (Sacramento)

Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center

Company: TRB and Associates

Stacey Hughes uploaded a new file:



STRUCT-01A 58.1 (REV 1) (120130).zip

COMMENTS: IDI - Load Tables and Equipment Skids Calculations

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Category: -Plan Review COMMENTS

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Week Ending - Sunday, January 08, 2012		January																													COMMENTS
Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK								
	Date	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S		
General Activities																															
A/G Pipe Field and Shop Fabrication																															
Excavate and install Street lighting foundations, Conduit, Grounding/Pull Cable																															
STG Area																															
Fab and Install Lube Oil, Leak Off and Cooling Water Pipe																															
STG Building A/G Electrical, Lighting, Cable Tray, Conduit/Pull Cable																															
Install Cable Tray, North-South, East-West Pipe Rack/Pull Cable																															
Install Iso Phase, Inside & Outside/Weld Splices																															
STG Pipe Rack Grating, Handrail/Punch list																													Continue Handrail, rework stair rail, toe plate		
Install BOP Pipe & Supports East/West, North/South Pipe rack																															
Form, Rebar Pour Misc. pipe support pads, Door Stoops																															
Dresser Rand continue ST, STG																													Remob January or when pipe loaded		
STG Building/Open Penetrations, Install Fire Protection, Fab, install Roof (Agate)																													Summit install Fire Protection		
Fab and install Misc.Supplied Interconnecting Pipe																															
HRSG Area																															
Install BOP Pipe & Supports North/South Pipe Rack																															
HRSG Punch list/ Toe Plate, Insulation Rings, Ladder Backscratchers																															
Conduit, Cable Pulls, Terminations																															
Techno/Paint HRSG																															
Farwest/ Insulate HRSG Stack, Breeching, Drums, Misc. Pipe																															
Install CEMS Cable, Tray/Supports																															
East Area																															
Excavate, Form, Rebar Boiler chem. Feed foundation																															
Misc. Pipe Supports @ Fuel Gas Compressors, Scrubber																															
West Area																															
PDC #1Pull Cable/Terminations/Testing																													Continue Terminations/Cable Testing		
PDC #2 Misc. Electrical/Cable Pulls/ Terminations/Testing																													Continue Terminations/Cable Testing		
Install Aux. Boiler Interconnecting Pipe & Supports																															
Excavate, Form, Rebar, Pour Ammonia Fill Truck Pad																															
Boiler Punch list																															
Water Treatment Building Area																															
Install SB Pipe / inside, outside																															
Techno Coat Chem. Feed & Cooling area Truck Fill Trench																															
Techno Coat Tanks Inside and Outside																															
Install Clarifiers/Reactors, internals																													Continue work on interior floors repairs, water stops		
Excavate, Form, Rebar Pour Misc. Foundations, Door Stoops and Pipe Supports																															

[illegible]

[illegible]

[illegible]

[illegible]

**LODI ENERGY CENTER CONSTRUCTION COMPLIANCE MATRIX
BASED ON CEC FINAL DECISION**

BASED ON CEC FINAL DECISION										Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC
Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status						
AQ-002	CONS	The ATC serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA									
AQ-003	CONS	The facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit the Title V Operating Permit application to both the District and CPM.	Prior to operation	6/11/12	Sierra Research									
AQ-007	COMM	Particulate matter emissions from the gas turbine system shall not exceed 0.1 grains/dscf in concentration	Submit the results of source tests to both the District and CPM in accordance with AQ-46.	Within 60 days after testing	7/1/12	ARB									
AQ-008	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA									
AQ-009	COMM	APCO or an authorized representative shall be allowed to inspect the required monitoring devices to ensure that such devices are functioning properly.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA									
AQ-010	COMM	Commissioning activities are defined as, but not limited to, all testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the construction contractor to ensure safe and reliable steady state operation of the gas turbine and associated electrical delivery systems.	No verification necessary.	None	None	ARB									
AQ-011	COMM	Commissioning period shall commence when all mechanical, electrical, and control systems are installed and individual system startup has been completed, or when a gas turbine is first fired, whichever occurs first. <i>The commissioning period shall terminate when the plant has completed initial source testing, completed final plant tuning, and is available for commercial operation.</i>	Submit a commissioning plan to the CPM and APCO for approval that describes the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity.	30 days prior to first fire of the gas turbine	4/21/12	ARB									
AQ-012	COMM	During the commissioning period, emission rates from the gas turbine system shall not exceed any of the following limits: NOx (as NO2) - 400.00 lb/hr and 4,000 lb/day; VOC (as CH4) - 16.00 lb/hr and 192.0 lb/day; CO - 2,000 lb/hr and 20,000 lb/day; PM10 - 9.00 lb/hr and 108.0 lb/day; or SOx (as SO2) - 6.10 lb/hr and 73.1 lb/day.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR (QOR) required by AQ-SC8.	30 days after end of quarter	7/30/12	NCPA									
AQ-013	COMM	During commissioning period, NOx and CO emission rate shall be monitored using installed and calibrated CEMS.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-11.	30 days prior to first fire of the gas turbine	4/21/12	ARB									
AQ-014	COMM	Total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	7/30/12	NCPA									
AQ-015	COMM	During commissioning period, the owner or operator shall keep records of the natural gas fuel combusted in the gas turbine system on hourly and daily basis.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR as required by AQSC-08.	30 days after end of quarter	7/30/12	NCPA									
AQ-018	COMM	Maintain records of the date, start-up time, downtime for gas turbine and the steam turbine prior to startup, startup type, minute-by-minute turbine load (MW), and NOx and CO concentrations (ppmvd @ 15% O2) measurement using CEMS, for each startup event in the first 12 months of operation following the end of the commissioning period.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA									
AQ-023	COMM	The District shall administratively add the minimum temperature limitation established pursuant to the above condition in the final Permit to Operate.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA									
AQ-024	CONS	The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	SCR install	As required	NCPA									
AQ-026	COMM	Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation.	No verification necessary.	None	None	NCPA									

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-027	COMM	Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status ending when the fuel supply to the unit is completely turned off. [District Rule 4703, 3.26]	No verification necessary.	None	None	NCPA			
AQ-031	COMM	Each 3-hour rolling average period will be compiled from the three most recent one hour periods. Each one hour period shall commence on the hour. Each one hour period in a twenty-four hour average for ammonia slip will commence on the hour. The twenty-four hour average will be calculated using the most recent twenty-four one-hour periods.	No verification necessary.	None	None	ARB			
AQ-042	COMM	A SCR system and an oxidation catalyst shall serve the gas turbine system.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			
AQ-043	CONS	The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators or equivalent technology sufficient to limit the visible emissions from the lube oil vents to not exceed 5% opacity, except for a period not exceeding three minutes in any one hour.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-044a	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit the proposed source test plan or protocol for the source tests to both the District and CPM for approval.	15 days prior to proposed source test date	6/24/12	Sierra Research			
AQ-044b	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Notify the District and CPM of the proposed source test date and time.	30 days prior to the proposed source test date and time	5/27/12	Sierra Research			
AQ-044c	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit source test results to the CEC CPM and District.	No later than 60 days following the source test	8/25/12	Sierra Research			
AQ-045	COMM	Source testing shall be witnessed or authorized by District personnel and samples shall be collected by a California Air Resources Board (CARB) certified testing laboratory or a CARB certified source testing firm.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	6/11/12	Sierra Research			
AQ-046a	COMM	Source testing to measure start-up emission rates of NOx, CO and VOC shall be conducted before the end of commissioning period and at least once every seven years thereafter. CEM relative accuracy for NOx and CO shall be determined during startup and shutdown source testing in accordance with 40 CFR 60, Appendix F (Relative Accuracy Audit). If CEM data is not certifiable to determine compliance with NOx and CO startup emission limits, then startup and shutdown NOx and CO testing shall be conducted every 12 months.	Submit results and field data collected during source tests to the District and CPM.	Within 60 days of testing	8/25/12	Sierra Research			
AQ-046b	COMM	Testing for startup and shutdown emissions shall be conducted upon initial operation and at least once every seven years.	Submit source test results to the CEC CPM and District.	Upon initial operation and at least once every 7 years	7/11/12	Sierra Research			
AQ-047a	COMM	Source testing to determine compliance with the NOx, CO, VOC, and NH3 emission rates (lb/hr and ppmvd @ 15% O2) and PM10 emission rate (lb/hr) shall be conducted before the end of commissioning period and at least once every 12 months thereafter.	Submit results and field data collected during source tests to the District and CPM according to a pre-approved protocol (AQ-44). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Within 60 days of testing	8/25/12	Sierra Research			
AQ-047b	COMM	Testing for steady state emissions shall be conducted upon initial operation.	Submit source test results to the CEC CPM and District.	Upon initial operation	8/25/12	Sierra Research			
AQ-048	COMM	The sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract, or (ii) monitored within 60 days after the end of commissioning period and weekly thereafter. If the sulfur content is less than or equal to 1.0 gr/100 dsct for eight consecutive weeks, then the monitoring frequency shall be every six months. If the result of any six month monitoring demonstrates that the fuel does not meet the fuel sulfur content limit, weekly monitoring shall resume until compliance is demonstrated for eight consecutive weeks.	The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the QOR.	30 days after end of quarter	10/1/12	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-049	COMM	The following test methods shall be used: NOx - EPA Method 7E or 20 or CARB Method 100; CO - EPA Method 10 or 10B or CARB Method 100; VOC - EPA Method 18 or 25; PM10 - EPA Method 5 (front half and back half) or 201 and 202a; ammonia - BAAQMD ST-1B; and O2 - EPA Method 3, 3A, or 20 or CARB Method 100. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-051	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the source test report of results to both the CEC and District.	Within 60 days of testing	5/17/12	Sierra Research			
AQ-052	CONS	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-053	COMM	The owner or operator shall install, certify, maintain, operate, and quality-assure a CEMS which continuously measures and records the exhaust gas NOx, CO, and O2 concentrations. CEMS shall monitor emissions during all types of operation, including during startup and shutdown periods, provided the CEMS passes the relative accuracy requirement for startups and shutdowns specified herein. If relative accuracy of CEMS cannot be demonstrated during startup conditions, CEMS results during startup and shutdown events shall be replaced with startup emission rates obtained from source testing to determine compliance with emission limits contained in this document.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring system is properly installed and operational.	As required	As required	ARB			
AQ-060	COMM	Upon written notice from the District, the owner or operator shall provide a summary of the data obtained from the CEMS. This summary shall be in the form and the manner prescribed by the District.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			
AQ-061	CONS	The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEMS data polling software system and shall make CEMS data available to the District's automated polling system on a daily basis. Upon notice by the District that the facility's CEMS is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEMS data is sent to the District by a District-approved alternative method.	Provide a CEMS protocol for approval by the APCO and CPM. The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission upon request.	at least 60 days prior to installation of the CEMS	3/22/12	ARB	9/14/11	2011-017	Approved 10/12/11
AQ-063	CONS	The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-064	COMM	Monitor Downtime is defined as any unit operating hour in which the data for NOx, CO2 or O2 concentrations is either missing or invalid.	No verification necessary.	None	None	NCPA			
AQ-067	COMM	The owner or operator shall maintain all records of required monitoring data and support information for a period of five years from the date of data entry and shall make such records available to the District upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-070	COMM	[CONDITIONS AQ-70 through 79 relate to Facility Wide Offsets] Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of NOx: Q1: 38,348 lb, Q2: 38,721 lb, Q3: 37,436 lb, and Q4: 38,150 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-071	COMM	NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required NOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-072	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of VOC: 1st quarter: 8,240 lb, 2nd quarter: 8,331 lb, 3rd quarter: 8,571 lb, and 4th quarter: 8,477 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	5/21/12	NCPA	11/25/11	2011-25	Approved 12/14/11
AQ-073	COMM	VOC ERC S-2860-1, and NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-074	COMM	The District has authorized to use NOx reductions to overcome shortfall in the amount of VOC offsets at NOx/VOC interpollutant offset ratio of 1.00.	No verification necessary.	None	None	NCPA	11/25/11	2011-25	Pending CEC Approval
AQ-075	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of SOx: 1st quarter: 2,668 lb, 2nd quarter: 2,668 lb, 3rd quarter: 2,668 lb, and 4th quarter: 2,668 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	5/21/12	NCPA	11/25/11	2011-25	Approved 12/14/11
AQ-076	COMM	SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required SOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-077	COMM	Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1Q: 19,112 lb, 2Q: 19,112 lb, 3Q: 19,112 lb, and 4Q: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	4/21/12	NCPA	11/25/11	2011-25	Approved 12/14/11
AQ-078	COMM	PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-079	COMM	The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00.	No verification necessary.	None	None	NCPA			
AQ-080	CONS	[CONDITIONS AQ-80 through 89 relate to Facility Wide Dust Control] Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 or Rule 8011.	A summary of significant construction activities and monitoring records required shall be included in the construction monthly report required by AQ-SC3.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-081b	CONS	A summary of significant construction activities and monitoring records required shall be included in the construction monthly compliance report required by AQSC-3.	Submit the required information to the CEC as part of the MCR.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-082	CONS	An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-083	CONS	Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-084	CONS	Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-085	CONS	Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		

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AQ-086	CONS	Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-087	CONS	On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with three axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-088	CONS	Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-090	COMM	[CONDITIONS AQ-90 through 103 relate to the Acid Rain Program] The owners and operators of each affected source and each affected unit at the source shall have an Acid Rain permit and operate in compliance with all permit requirements. [40 CFR 72]	Submit the Acid Rain Program application to both the District and the CPM.	Prior to first fire	7/9/12	Sierra Research	5/6/09		
AQ-091	COMM	The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-092	COMM	The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-093	COMM	The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-094	COMM	Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.	No verification necessary.	None	None	Sierra Research			
AQ-095	COMM	Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-096	COMM	An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-097	COMM	An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.	No verification necessary.	None	None	Sierra Research			
AQ-098	COMM	An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.	No verification necessary.	None	None	Sierra Research			
AQ-100	COMM	The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			

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AQ-101	COMM	The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-102	COMM	The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-103	COMM	The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I.	Submit the Acid Rain Program Application to both the District and CPM.	Prior to first fire	7/9/12	Sierra Research	5/6/09		
AQ-106	CONS	Prior to operating with modifications authorized by this ATC, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application prior to operation.	Prior to operation	6/11/12	Sierra Research			
AQ-107	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-110	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-112	COMM	No hexavalent chromium containing compounds shall be added to cooling tower circulating water.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-116	COMM	Compliance with PM10 emission limit shall be determined by blowdown water sample analysis by independent laboratory within 60 days after the end of commissioning period of the gas turbine system and at least once quarterly thereafter.	Use the results of water recirculation rate and total dissolved solids concentration analysis data to determine emissions (lb/day and grains/dscf) and the results shall be included in the quarterly operation report (AQ-SC8).	30 days after end of quarter	10/1/12	NCPA			
AQ-118	CONS	This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA			
AQ-119	COMM	Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application	Prior to operation	5/21/12	Sierra Research			
AQ-120	COMM	All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-121	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-122	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-125	COMM	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			

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AQ-126	COMM	The total mass emissions of NOx, VOC, CO, PM10 and SOx that are emitted during the commissioning period shall accrue towards the quarterly emission limits.	A summary of significant operation and maintenance events and monitoring records required shall be included in the QOR.	30 days after end of quarter	10/1/12	NCPA			
AQ-141	COMM	All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	NCPA			
AQ-142	COMM	Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of the end of commissioning period of the gas turbine system.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	Within 30 days of testing	8/8/12	ARB			
AQ-144	COMM	The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-145	COMM	Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-146	COMM	NOx emissions for source test purposes shall be determined using EPA Method 7E or CARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-147	COMM	CO emissions for source test purposes shall be determined using EPA Method 10 or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-148	COMM	Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-149	COMM	For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-150	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-159	COMM	All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-SC03	CONS	The AQCMM shall submit documentation to the CPM in each MCR that demonstrates compliance with items (a) through (m) for purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	Include a summary of all actions taken to maintain compliance with this condition, copies of any complaints filed with the Air District in relation to project construction, and any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Include in MCR	WP	Ongoing during construction		
AQ-SC04	CONS	The AQCMM shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not providing effective mitigation. The AQCMM shall implement Steps 1-3 in the Condition in the event such visible dust plumes are observed.	AQCMM shall prepare for the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-SC05	CONS	The AQCMM shall submit to the CPM in the MCR a construction mitigation report that demonstrates compliance with the measures (A-F) set forth in the Condition for purposes of controlling diesel construction-related emissions. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	Include in the MCR (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Include in MCR	ARB	Ongoing during construction		

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AQ-SC06	CONS	Submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. EPA, and any revised permit issued by the District or U.S. EPA, for the project.	Submit any proposed air permit modification to the CPM either by: 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.	Submit modifications within 5 working days of its submittal and submit modified air permits within 15 days of receipt	As required	NCPA			
BIO-02	CONS	Ensure that the DB performs the activities outlined in BIO-2 during site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure.	Designated Biologist must maintain written records of the tasks described in condition and provide summaries for inclusion in the MCR.	Monthly	Include in MCR	CH2	Ongoing during construction		
BIO-04	CONS	Construction/Operation Manager shall act on the advice of the DB to ensure conformance with the biological resources Conditions of Certification. If required by the DB, Construction/ Operation Manager shall halt all site mobilization, ground disturbance, grading, construction, and operation activities in areas specified by the DB.	Designated Biologist must notify the CPM immediately of any non-compliance activity or halt of any site mobilization, ground disturbance, grading, construction, and ops activities.	Immediately following non-compliance or construction halt	As required	ARB	Ongoing during construction		
BIO-05b	CONS	Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date.	Include a running total in MCR.	Monthly	Include in MCR	Andrea	Ongoing during construction		
BIO-06c	CONS	Any changes to the approved BRMIMP must also be approved by the CPM and submitted to the HTAC to ensure no conflicts exist.	Notify the CPM before implementing any modifications to the approved BRMIMP	Within 5 days	As required	Rick Crowe	11/1/11	2011-021 (reflects gas line amendment)	Pending CEC approval
BIO-06d	CONS	Implementation of BRMIMP measures will be reported in the MCR by the DB.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-06e	CONS	Prepare a written construction closure report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which mitigation and monitoring items are still outstanding.	Provide construction closure report to the CPM for review and approval.	Within 30 days after completion of construction	6/21/12	Rick Crowe			
BIO-07a	CONS	Any time the project owner modifies or finalizes the project design they shall incorporate all feasible measures that avoid or minimize impacts to the local biological resources, including Items 1-9 as listed in the Condition.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-07b	CONS	Submit a written construction termination report identifying how bio mitigation measures have been completed.	Provide construction termination report to the CPM for review and approval.	Within 30 days after completion of construction	6/21/12	Rick Crowe			
BIO-08a	CONS	Implement measures set forth in condition (Items 1-8) in a manner to avoid or minimize impacts to the local biological resources.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-08b	CONS	Submit a written construction termination report identifying how bio mitigation measures have been completed.	Provide construction termination report to the CPM for review and approval.	Within 30 days after completion of construction	6/21/12	Rick Crowe			
BIO-09c	CONS	Discuss implementation of GGS mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-10c	CONS	Discuss implementation of burrowing owl mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-11c	CONS	Discuss implementation of Swainson's hawk mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-12b	CONS	Discuss implementation of migratory bird mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-13b	CONS	Discuss implementation of pond turtle mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		

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CIVIL-01e	CONS	Submit written statement certifying that the documents required by CIVIL-01(a-d) have been approved by the CBO.	Include written certification in next monthly compliance report.	Monthly	Include in MCR	ARB	Ongoing during construction		
CIVIL-02	CONS	The RE shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions	As required	ARB	Ongoing during construction		
CIVIL-03a	CONS	Perform inspections in accordance with the 2007 CBC. All plant site grading operations for which a grading permit is required shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM.	The RE shall transport to the CBO and CPM a NCR and the proposed corrective action for review and approval. Within 5 days of resolution, EPC must submit details of correction action to the CBO and CPM.	Within 5 days of discovery of any discrepancies	As required	ARB	Ongoing during construction		NCR Report is included in MCR
CIVIL-03b	CONS	A list of NCRs for the reporting month shall also be included in the following monthly compliance report.	Include in the MCR.	Monthly	Include in MCR	ARB	Ongoing during construction		NCR Report is included in MCR
CIVIL-04	CONS	After completion of finished grading and the erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Submit to the CBO for review and approval the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with final approved plans. The project owner shall submit a copy of the CBO's approval to the CPM in the next MCR.	Within 30 days of completion of work	7/1/12	ARB			
COM-01	CONS	The CPM, responsible Energy Commission staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained onsite, for the purpose of conducting audits, surveys, inspections, or general site visits.	Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required	As required	Andrea	Ongoing during construction		
COM-02	CONS	Maintain maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the Conditions of Certification. The files shall contain copies of all "as-built" drawings, documents submitted as verification for Conditions, and other project-related documents.	CEC staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.	Ongoing	Ongoing	Andrea	Ongoing during construction		
COM-05	CONS	Submit a construction matrix that provides the current status of all conditions in a spreadsheet format.	Submit a compliance matrix with each MCR and also in ACR	Monthly	Include in MCR	Andrea	Ongoing during construction		
COM-06	CONS	The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List. During construction of the project, the project owner or authorized agent shall submit an original and an electronic searchable version of the within 10 working days after the end of each reporting month. MCRs shall be clearly identified for the month being reported. The reports shall contain, at a minimum the items specified in the condition.	Submit to CPM on a monthly basis	Monthly	Complete	Andrea			
COM-08	CONS	Any information that the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501 et. seq.	Any info the project owner deems confidential shall be submitted to the Docket Unit with an application for confidentiality.	As required	As required	NCPA	Ongoing during construction		
COM-09	CONS	Annual Energy Facility Compliance Fee: The project owner is required to pay an annual compliance fee, which is adjusted annually. Current Compliance fee information is available on the CEC's website.	Submit annual compliance fee to CEC.	Annually	7/15/12	NCPA	Ongoing		

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COM-10	CONS	Report and provide copies to the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE Conditions of Certification. All other complaints shall be recorded on the complaint form (Attachment A).	Provide documentation to the CPM as required.	Within 10 days of receipt	As required	NCPA	Ongoing during construction		
COM-12a	CONS	Prepare an Unplanned Temporary Facility Closure/On-Site Contingency Plan (see condition for issues that must be addressed in the plan). The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	Submit an on-site contingency plan for CPM review and approval.	no less than 60 days prior to COD	5/12/12	NCPA			
COM-12b	CONS	In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure.	Notify the CPM and other agencies as required.	Within 24 hours of unplanned temporary closure	As required	NCPA			
COM-12c	CONS	If the CPM determines that an unplanned temporary closure is likely to be permanent, or for a duration of more than 12 months, a closure plan consistent with the requirements for a planned closure shall be developed and submitted to the CPM.	Develop and submit the closure plan to the CPM.	Within 90 days of CPM's determination	As required	NCPA			
COM-13a	CONS	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.	In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.	Within 24 hours of unplanned permanent closure	As required	NCPA			
COM-13b	CONS	Prepare a closure plan, consistent with the requirements for a planned closure.	Submit the closure plan to the CPM.	Within 90 days of permanent closure	As required	NCPA			
COM-14	CONS	Post-Certification Changes to the Decision--see Condition for detailed information on what constitutes and how to prepare a post-licensing change to the CEC Final Decision.	As required	As required	As required	NCPA			
CUL-02b	CONS	Provide to the CRS and CPM a schedule of project activities for the following week, including the identification of area(s) where ground disturbance will occur during that week.	Provide requested info to the CPM and CRS.	Weekly during construction	Weekly	ARB	Ongoing during construction		
CUL-04a	CONS	If any archaeological monitoring or data recovery activities are conducted during project construction, submit a final Cultural Resources Report (CRR) which addresses the items specified in the condition.	Provide the required written documentation to the CPM for review and approval.	Within 90 days after completion of ground disturbance	9/28/12	NCPA			
CUL-04b	CONS	If cultural materials requiring curation were collected, provide to the CPM a copy of an agreement or other written commitment form.	Provide the required written documentation to the CPM.	Within 90 days after completion of ground disturbance	9/28/12	NCPA			
CUL-04c	CONS	Provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	Provide the required written documentation to the CPM.	Within 10 days after CPM approval of CRR	10/28/12	NCPA			
CUL-04d	CONS	If the project is suspended, submit a draft CRR to the CPM for review and approval.	Provide the required written documentation to the CPM for review and approval.	Within 30 days after requesting a suspension	As required	NCPA			
CUL-05c	CONS	Provide the WEAP Training Acknowledgement forms of workers who have completed the training in the prior month and a running total of all persons who have completed training to date.	Include a running total in MCR.	Monthly	Include in MCR	NCPA	Ongoing during construction		
CUL-06a	CONS	Based on the findings of the geoarchaeological study, no archaeological monitoring is required unless WEAP-trained construction workers identify cultural resources materials during excavations. In that event, To ensure there are no impacts to unknown buried archaeological resources, construction shall cease in the vicinity of the discovery, the CRS shall be notified, and CUL-7 shall apply.	During monitoring, provide daily feedback to CPM on status of monitoring activities via email.	Daily logs emailed to CPM	As required	NCPA	Ongoing during construction		
CUL-06b	CONS	Submit a monthly summary report of cultural resources-related monitoring prepared by the CRS.	Provide report for inclusion in MCR.	Monthly	Include in MCR	NCPA	Ongoing during construction		

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CUL-06c	CONS	Notify CEC prior to changing or eliminating monitoring.	Provide letter or email to CPM for review and approval detailing justification for changing or eliminating monitoring.	At least 24 hours prior to changing level	As required	NCPA			
CUL-06d	CONS	A Native American monitor shall be obtained to monitor ground disturbance in areas and at depths, if any, where the CUL-1 geoarchaeological study identified the potential for buried prehistoric archaeological deposits and anywhere else that if Native American artifacts are encountered during ground disturbance.	Provide the required written documentation to the CPM.	No later than 30 days after discovery	As required	NCPA			
CUL-06e	CONS	Submit any comments or information provided by Native Americans in response to the project owner's transmittals of information.	Provide the required written documentation to the CPM.	Within 15 days of receipt	As required	NCPA			
CUL-7	CONS	Grant authority to halt construction to the CRS, alternate CRS and the CRMs in the event previously unknown cultural resource sites or materials are encountered, or if known resources may be impacted in a previously unanticipated manner (discovery).	Provide the CPM and CRS with a letter confirming that the CRS, alternate CRS and CRMs have the authority to halt construction activities in the vicinity of a cultural resource discovery, and that the project owner shall ensure that the CRS notifies the CPM within 24 hours of a discovery, or by Monday morning if the cultural resources discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning.	At least 30 days prior to ground disturbance	Complete	NCPA	8/4/10	2010-062	Approved by CEC 8/18/11
ELEC-01a	CONS	Prior to the start of any increment of electrical construction for electrical equipment and systems 480 volts and higher, with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, submit for CBO design review and approval the proposed final design, specifications and calculations.	Submit to the CBO for design review and approval the items listed in this condition (see page 59 of Final Decision)	At least 30 days prior to start of construction of each increment of electrical construction	7/16/10	WP	Ongoing during construction		Info is included in MCRs
ELEC-01b	CONS	Send the CPM a copy of the transmittal letter in the next MCR.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during construction		
GEN-01a	CONS	Design, construct and inspect the project in accordance with the 2007 CBC et al and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval. The CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously.	Submit to the CEC CPM a statement of verification signed by responsible design engineer attesting that all design, construction, installation and inspection requirements of the applicable LORS and CEC Final Decision has been met in the area of facility design.	With 30 days after receipt of Certificate of Occupancy	7/30/12	WP			
GEN-01b	CONS	Final Certificate of Occupancy	Provide the CPM a copy of the Final Certificate of Occupancy from the CBO.	Within 30 days after receipt from the CBO	6/30/12	WP			
GEN-01c	CONS	Once the certificate of occupancy has been issued, the project owner shall inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance being performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM shall then determine if the CBO needs to approve the work.	The CPM shall then determine if the CBO needs to approve the work.	At least 30 days prior to such work	9/28/12	WP			
GEN-02b	CONS	Major structures and equipment shall be added to or deleted from Facility Design Table 1 (see page 46 of Final Decision) only with CPM approval.	The project owner shall provide schedule updates in the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-03	CONS	Make payments to the CBO for design review, plan check and construction inspections based upon a reasonable fee schedule to be negotiated between NCPA and the CBO.	Send copy of CBO's receipt of payment to CPM in next MCR indicating applicable fees have been paid.	Monthly	Include in MCR	NCPA	Ongoing during construction		
GEN-04b	CONS	If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required	NCPA			
GEN-05c	CONS	If the designated responsible engineer is subsequently reassigned or replaced, submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required				

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GEN-06a	CONS	Assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC. A certified weld inspector, certified by the American Welding Society (AWS) and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks, and pressure vessels). The special inspector shall perform the duties specified in the condition.	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project.	At least 15 days prior to start of an activity requiring special inspection	9/21/10	WP	Ongoing during construction		Info is included in MCRs
GEN-06b	CONS	Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.	Include the required documentation in the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-06c	CONS	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days	As required	WP			
GEN-07	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference Condition GEN-7 and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next MCR. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-08a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request that the CBO inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project.	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	Within 15 days of completion of any work	Include in MCR	WP			
GEN-08b	CONS	Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	After storing final approved plans, specs, and calcs	As required	WP			
GEN-08c	CONS	Provide to the CBO three sets of electronic copies of the documents referenced in the condition.	Documents shall be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality CDs.	Within 90 days after completion of construction	10/9/12	WP			
HAZ-02	CONS	Develop and implement a Safety Management Plan (SMP) for the delivery of anhydrous ammonia and other liquid hazmat by tanker truck. The plan shall address the information required in the Condition. This plan shall be applicable during construction, commissioning, and operation of the power plant.	Submit the plan to the CPM for review and approval.	At least 30 days prior to delivery of any liquid haz mat to the facility	Complete	NCPA		2010-067 12/8/10	Approved by CEC 12/2/10
HAZ-03	CONS	Direct all vendors delivering aqueous ammonia to the site to use only tanker truck transport vehicles that meet or exceed the specifications of DOT Code MC-330 or 331.	Submit copies of notification letter to supply vendors indicating the transport vehicle specs to the CPM for review and approval.	At least 30 days prior to commissioning	10/15/11	ARB			Existing vendor for STIG delivers ammonia
HAZ-04	CONS	Direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM (I-5 to North Thornton Road to Frontage Road to North Cord Road to the project site). Obtain approval of the CPM if an alternate route is desired.	Submit copies of the required transportation route limitation direction to the CPM for review and approval.	At least 60 days prior to commissioning	10/15/11	ARB			Existing vendor for STIG delivers ammonia
HAZ-06a	COMM	Prepare a site-specific security plan for the commissioning and operational phases which addresses all the items in the Condition.	Notify the CPM that a site-specific operations site security plan is available for review and approval.	At least 30 days prior to commissioning	10/15/11	NCPA	11/16/11	2011-022	Notification letter approved 11/21/11
MECH-01a	CONS	MAJOR PIPING & PLUMBING SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calcs for each plant major piping and plumbing system listed in Facility Design Table 1 of GEN-2. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.	At least 30 days prior to the start of any major piping or plumbing construction listed in Table 1	Ongoing during construction	WP	Ongoing during construction		Info is included in MCRs

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MECH-01b	CONS	Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction.	Transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		
MECH-02a	CONS	PRESSURE VESSELS: Submit to the CBO and Cal-OSHA the code certification papers and other documents required by applicable LORS.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to start of onsite fabrication or installation of any pressure vessel	Ongoing during construction	WP			
MECH-02b	CONS	Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of that installation/	Transmit to the CPM, in the MCR following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		
MECH-03a	CONS	HVAC SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	Submit the calcs, plans, and specs to the CBO, including a copy of the signed and stamped statement from the responsible mech engr certifying compliance with CBC and other applicable codes, with a copy of transmittal to CPM.	At least 30 days prior to start of construction of any HVAC or refig system	Ongoing during construction	WP			
MECH-03b	CONS	Design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of construction of pressure vessels, request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in MCR	WP	Ongoing during construction		
NOISE-02	CONS	Throughout the construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Noise Complaint Resolution process will be used.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Within 5 days of receiving a noise complaint	As required	NCPA			
NOISE-04a	COMM	Project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the noise levels due to operation of the project alone will not exceed: an hourly average of 45 dBA, measured at or near monitoring locations M1 (approximately 4,250 feet north of the project site boundary) and M2 (approximately 5,500 feet northeast of the project site boundary); an hourly average of 44 dBA, measured at or near monitoring location M3 (approximately 7,000 feet southeast of the project site boundary); and an hourly average of 42 dBA, measured at or near monitoring location M4 (approximately 10,000 feet south of the project site boundary). (See condition for additional information.)	Conduct a community noise survey at monitoring location M4, or at a closer location acceptable to the CPM. This survey during the power plant's full-load operation shall also include measurement of one-third octave band sound pressure levels. Conduct a survey of noise at monitoring locations M1, M2, and M3, or at closer locations acceptable to the CPM. The short-term noise measurements at this location shall be conducted during the nighttime hours of 10:00 p.m. to 7:00 a.m.	Within 30 days of project's first achieving a sustained output of 85% or greater of rated capacity	8/10/12	NCPA			
NOISE-04b	COMM	Submit a summary report of the survey to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures. When these measures are in place, the project owner shall repeat the noise survey.	Submit required info to the CPM.	Within 15 days after completing noise survey	#VALUE!	NCPA			
NOISE-06	CONS	Equip the steam blow piping with a temporary silencer. The project owner shall conduct steam blows only during the hours of 7:00 a.m. to 9:00 p.m.	Submit to the CPM drawings or other information describing the temporary steam blow silencer and a description of the steam blow schedule	At least 15 days prior to the first steam blow	5/7/12	ARB			
NOISE-07a	CONS	Notify all residents or business owners within one mile of the site of the planned steam blow activity, and make the notification available to other area residents in an appropriate manner.	The notification may be in the form of letters to the area residences, telephone calls, fliers or other effective means. The notification shall include a description of the purpose and nature of the steam blow(s), the proposed schedule, the expected sound levels, and the explanation that it is a one-time operation and not a part of normal plant operations.	At least 15 days prior to first steam blow(s)	5/7/12	NCPA			
NOISE-07b	CONS	Send a letter to the CPM confirming that they have been notified of the planned steam blow activities, including a description of the method(s) of that notification.	Provide the required documentation to the CPM.	Within 5 days of notifying entities	5/12/12	NCPA			
PAL-05	CONS	Ensure that the PRS and PRM(s) monitor consistently with the PRMMP, all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing materials have been identified.	Paleo monitors shall provide monthly summaries for inclusion in MCR.	Monthly	Include in MCR	CH2	Ongoing during construction		

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PAL-07	CONS	Ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS to be completed following completion of ground disturbing activities.	Submit the PRR under confidential cover to the CPM.	Within 90 days after completion of ground disturbing activities	9/28/12	CH2			
SOIL & WATER-01b	CONS	Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB) about the construction SWPPP, including a copy of the NOL.	Submit the required information to the CEC.	Within 10 days of receipt	As required	NCPA	Ongoing during construction		
SOIL & WATER-03	CONS	If groundwater is encountered during construction or operation of the LEC, the project owner shall comply with the requirements of the CVRWQCB Order NO. R5-2008-0081 for Waste Discharge Requirements for Dewatering and Other Low threat Discharges to Surface Waters.	Submit a complete Notice of Intent (NOI) to obtain coverage under CVRWQCB Order No. R5-2008-0081. Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB regarding Order No. R5-2008-0081 within 10 days of its receipt or submittal.	Prior to any groundwater discharge or dewatering activities	As required	CH2			All deep excavations are complete
SOIL & WATER-06a	CONS	The project owner shall provide the CPM two copies of the executed Recycled Water Purchase Agreement (agreement) with the COL for the long-term supply (30 – 35 years) of tertiary treated recycled water to the LEC. The agreement shall specify a maximum daily supply of 2.61mgd with a total annual maximum supply of 1,800 AFY. The agreement shall specify all terms and costs for the delivery and use of recycled water by the LEC.	Submit two copies of the executed agreement for the supply and on-site use of recycled water at the LEC.	No later than 60 days prior to connection to City's recycled water pipeline	Complete	NCPA	5/19/10	2010-026	Approved 6/1/10
SOIL & WATER-06b	CONS	The LEC shall not connect to the COL's recycled water pipeline without the final agreement in place and submitted to the CPM. The project owner shall comply with the requirements of Title 22 and Title 17 of the California Code of Regulations and section 13523 of the California Water Code.	The project owner shall submit to the CPM a copy of the Engineering Report and Cross Connection inspection and approval report from the California Department of Public Health prior to the delivery of recycled water from the COL.	Prior to the delivery of recycled water from the COL	10/30/11	NCPA	12/5/11	2011-026	Pending CEC approval
SOIL & WATER-07a	CONS	The project shall not construct a supply well or extract and use any groundwater therefrom until the SJCEHD issues its written evaluation as to whether the proposed well construction and operation activities comply with all applicable county well requirements, and the CPM provides approval to construct the well. Submit a well construction application to the SJCEHD in accordance the City of Lodi (COL) Municipal Code, Title 8, Chapter 8.08. (See condition for specific requirements.)	Send the CPM 2 copies of the water well construction application submitted to the San Joaquin SJCEHD.	No later than 30 days prior to construction of the onsite water supply well	11/1/11	NCPA	9/14/11	2011-018	Approved by CEC on 11/14/11
SOIL & WATER-07b	CONS	Provide written concurrence from the SJCEHD indicating that the proposed well construction activities comply with all county well requirements and meets the requirements established by the county's water well permit program.	Provide CPM with 2 copies of the written concurrence document from the SJCEHD.	No later than 15 days prior to construction of the onsite water supply well	11/16/11	NCPA	9/14/11	2011-018	Approved by CEC on 11/14/11
SOIL & WATER-07c	CONS	Ensure the driller has submitted Well Completion Report for each well installed to CDWR.	Provide a copy of the well completion report to the CPM along with a copy of well drilling logs, water quality analyses, and any inspection reports that may be completed.	No later than 60 days after installation of any water supply well	1/30/12	NCPA			
SOIL & WATER-07d	CONS	Ensure compliance with all county water well standards and requirements during construction.	Provide CPM with 2 copies of all monitoring or other reports required during construction.	As required	As required	NCPA			
SOIL & WATER-07e	CONS	Submit documentation to the CPM and the RWQCB that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c).	Submit required info to the CPM.	No later than 15 days after completion of well	1/15/12	NCPA			
SOIL & WATER-08a	CONS	Install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the volume of potable and recycled water supplied to the LEC.	Submit to the CPM evidence that metering devices have been installed and are operational on the potable and recycled pipelines serving the project.	At least 60 days prior to use of any water source for operations	4/22/12	ARB			

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STRUC-01a	CONS	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 1 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans, and drawings for project structures. Proposed lateral force procedures, designs, plans, and drawings shall be those for the items listed in the GEN-2 table. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component.	Submit to the CBO the final design plans, specs and calcs with a copy of the transmittal letter to the CPM.	At least 60 days prior to start of any structure or component listed in Facility Design Table 1 of GEN-2	8/7/10	WP	Ongoing during construction		Included as part of MCRs
STRUC-01b	CONS	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Submit required info to the CPM as part of the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
STRUC-02	CONS	Submit to the CBO the required number of sets of the documents related to work that has undergone CBO design review and approval related to concrete cylinder strength test reports and pour sign-off sheets, bolt torque and field weld inspection reports, and other reports covering structural activities requiring special inspections in accordance with CBC 2007.	If a discrepancy is discovered in any of the above data, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the Condition(s) and the applicable CBC chapter and section. Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM. Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action necessary to obtain CBO's approval.	As required	As required	WP	Ongoing during construction		NCR Report is included in MCR
STRUC-03	CONS	Submit to the CBO design changes to the final plans required by the 2007 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing.	Notify the CBO of the intended filing of design changes and shall submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM. The project owner shall notify the CPM, via the MCR, when the CBO has approved the revised plans.	Monthly	Include in MCR	WP	Ongoing during construction		
STRUC-04a	CONS	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC shall, at a minimum, be designed to comply with the requirements of that chapter.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible engineer certifying compliance with LORS	At least 30 days prior to the start of installation of the tanks or vessels	Ongoing in MCR	WP	Ongoing during construction		Included as part of MCRs
STRUC-04b	CONS	Send copies of the CBO approvals of plan checks to the CPM. Also transmit a copy of the CBO's inspection approvals to the CPM in the MCR following completion of any inspection.	Provide requested info to CPM as part of the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
TLSN-01	CONS	Construct the proposed transmission line according to the requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2, High Voltage Electrical Safety Orders, Sections 2700 through 2974 of the California Code of Regulations, and Pacific Gas and Electric's EMF-reduction guidelines.	Submit to the CPM a letter signed by a CA registered EE affirming that the line will be constructed according to the requirements set forth in the Condition.	At least 30 days prior to starting construction of the t-line or related structures and facilities	6/25/11	NCPA	3/28/11	2011-008	Approved 2/15/12
TLSN-03a	COMM	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	File copies of the pre-energization measurements with the CPM	Within 60 days after completion of measurements	1/15/12	NCPA	1/18/12	2012-002	Pending CEC Approval
TLSN-03b	COMM	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	File copies of the post-energization measurements with the CPM	Within 60 days after completion of measurements	6/20/12	NCPA			

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TLSN-05	CONS	Ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership.	Transmit to the CPM a letter confirming compliance with this condition.	At least 30 days before lines are energized	11/16/11	NCPA	11/20/11	2011-023	Approved 11/22/11
TRANS-02b	CONS	Provide photo/videotape documentation that the damaged sections of Eight Mile Road, North Thornton Road, I-5 Frontage Road, and Cord Road have been restored to their pre-project condition.	Submit info to San Joaquin Planning Department and the CPM	Within 90 days following completion of construction	9/28/12	NCPA			
TSE-01a	CONS	Provide the CPM and CBO with a schedule of transmission facility design submittals, a master drawing list, a master specifications list, and a major equipment and structure list for the components listed in the condition. To facilitate audits by CEC staff, the project owner shall provide designated packages to the CPM when requested.	Provide info to CBO and CPM. Additions and deletions shall be made to the table only with both CPM and CBO approval.	At least 60 days prior to start of construction of the t-line	Included in MCR	WP	Ongoing during t-line construction		
TSE-01b	CONS	Provide schedule updates as part of the MCR.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during t-line construction		
TSE-02a	CONS	Assign an electrical engineer and at least one of each of the following: a civil engineer; geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; a design engineer who is either a structural engineer or a civil engineer and fully competent and proficient in the design of power plant structures and equipment supports; or a mechanical engineer.	Submit names, resumes, quals, and registration numbers of all engineers assigned to the project to the CBO for review and approval. (If any are replaced, new resumes must be submitted.)	At least 30 days prior to start of rough grading	Complete	WP	6/14/10	2010-045	Approved 6/22/10
TSE-02b	CONS	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	The project owner shall notify the CPM of the CBO's approval of the new engineer	within five days of the approval	As required	NCPA			
TSE-03	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action. The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and refer to this condition of certification.	Submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	Within 15 days of receipt	As required	WP			CEC approved minor relocation of one tower on 6/9/11
TSE-04a	CONS	For the power plant switchyard, outlet line and termination, construction shall not begin until plans for that increment of construction have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction.	Submit to the CBO for review and approval the final design plans, specifications and calculations.	At least 30 days before the start of each increment of construction	Included in MCR	NCPA			CBO has approved all documents for construction
TSE-04b	CONS	The following activities shall be reported in the MCR: A. Receipt Or Delay Of Major Electrical Equipment; B. Testing Or Energization Of Major Electrical Equipment; and C. The Number Of Electrical Drawings Approved, Submitted For Approval, And Still To Be Submitted.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during t-line construction		
TSE-05a	CONS	Design, construct, and operate the proposed transmission facilities in conformance with all applicable LORS, and the requirements listed in the condition (see Items A-I).	Submit the required number of copies of the design drawings and calculations, as determined by the CBO.	At least 60 days prior to start of construction of the transmission facilities	Included in MCR	WP			CBO has approved all documents for construction
TSE-05b	CONS	Provide electrical one-line diagrams signed and sealed by the registered professional electrical engineer in charge, a route map, and an engineering description of the equipment and configurations covered by requirements TSE-5 a) through j),	Submit the requested info to the CBO for approval.	At least 60 days prior to start of construction of the transmission facilities	Included in MCR	NCPA			CBO has approved all documents for construction
TSE-05c	CONS	Provide the final Detailed Facility Study (DFS) including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable.	Submit the requested info to the CBO for approval.	At least 60 days prior to start of construction of the transmission facilities	Included in MCR	NCPA			These docs were provided to the CEC during permitting

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
TSE-05d	CONS	Provide the executed project owner and California ISO facility interconnection agreement.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			These does were provided to the CEC during permitting
TSE-05d	CONS	Provide evidence showing coordination with the affected agencies and utilities including but not limited to Western Area Power Administration and Lodi Electric Utility.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			Completed during permitting
TSE-05e	CONS	Inform the CPM and CBO of any impending changes which may not conform to the requirements of TSE-05 and request approval to implement such changes.	Inform the CBO and CPM of any impending changes.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	WP			No changes
TSE-06	COMM	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system as referenced in items A & B of the condition.	Provide written letter to CAISO 7 days prior to synch and send CPM copy of letter. At least 1 business day before synch, call CAISO's outage coordination department (Monday through Friday, between the hours of 7:00 a.m. and 3:30 p.m. at (916) 351-2300).	One week prior to initial synchronization w/ the grid	5/14/12	NCPA			
TSE-07	CONS	Inspect the transmission facilities during and after project construction, and for any subsequent CPM- and CBO-approved changes, to ensure conformance with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and Regulations (Title 8); Articles 35, 36 and 37 of the High Voltage Electric Safety Orders, California ISO standards, National Electric Code (NEC) and related industry standards. In cases of non-conformance, the project owner shall inform the CPM and CBO, in writing and within 10 days of the discovery of such non-conformance, and the actions that will be taken to correct it.	Transmit to the CPM and CBO: "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in charge; a statement verifying conformity with the standards set forth in Condition; "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in charge or an acceptable alternative verification; and a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Within 60 days after first synchronization to the grid	7/20/12	NCPA			
VIS-01	CONS	Ensure that construction lighting is used in a manner that minimizes potential night lighting impacts: minimum necessary brightness, shielded/hooded and directed downward, and kept off when not in use.	Notify the CPM that the lighting is ready for inspection. (If complaints are received, provide CPM with a complaint resolution form report and include copy in MCR.)	Within 7 days after first use of construction lighting	Complete	ARB			
VIS-02	CONS	Landscape screening deleted.		None					
VIS-03a	CONS	Ensure that the cooling tower is designed and operated as presented to the CEC during the licensing of the LEC project. The cooling tower shall be designed and operated to meet the plume fogging frequency curve received into evidence as Exhibit 5 at the evidentiary hearing held at the CEC on 1/5/10.	Provide to the CPM for review the final design specifications of the cooling tower to confirm that the fogging frequency curve for the cooling tower cells matches Exhibit 5. The project owner shall not order the cooling tower until notified by the CPM that this design requirement has been satisfied.	At least 90 days prior to ordering the cooling tower	Complete	WP			Approved 7/9/10
VIS-04a	CONS	Design and install all permanent exterior lighting such that (a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; (b) lighting does not cause excessive reflected glare; (c) direct lighting does not illuminate the nighttime sky; (d) illumination of the project and its immediate vicinity is minimized, and (e) the plan complies with local policies and ordinances.	Contact the CPM to discuss the documentation required in the lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting	2/15/11	WP			
VIS-04b	CONS	Prepare a lighting mitigation plan that includes the specific info set forth in the condition.	Submit to the CPM for review and approval and simultaneously to city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 60 days prior to ordering any permanent exterior lighting	3/15/11	WP	3/18/11	2011-005 and 2011-006	Approved 6/9/11
VIS-04c	COMM	Notify the CPM that the permanent exterior lighting has been completed and is ready for inspection.	Set up an inspection appointment.	Prior to start of commercial operation	6/11/12	ARB			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
VIS-05a	CONS	Treat the surfaces of all project structures and buildings visible to the public in accordance with the provisions in the Condition. The transmission line conductors shall be nonspecular and nonreflective; and the insulators shall be nonreflective and nonrefractive. The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by the CPM. Subsequent modifications to the treatment plan are prohibited without CPM approval.	Submit a specific surface treatment plan to the CPM for review and approval that addresses all the items in the Condition, and simultaneously to the city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	Complete	ARB	10/27/10	2010-065	Approved 12/10/10
VIS-05b	COMM	Notify the CPM that the surface treatment of all listed structures and buildings has been completed and is ready for inspection and submit electronic color photographs taken from the same KOPs	Set up an inspection appointment.	Prior to start of commercial operation	6/11/12	NCPA			
WASTE-03	CONS	If potentially contaminated soil is identified during site characterization, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Professional Engineer or Professional Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of DTSC, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM. Project owner must notify the CPM within 24 hours of any orders issued to halt construction.	Within 5 days of their receipt	As required	NCPA	Ongoing during construction		
WASTE-04	CONS	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during construction and operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM in the next MCR.	Prior to generating any haz waste	Ongoing	ARB	10/27/10	emailed	Approved 10/27/10
WASTE-05	CONS	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	As required	Within 10 days of becoming aware of action	NCPA	Ongoing during construction		
WASTE-06a	COMM	Prepare an Operations Waste Management Plan for all wastes generated during construction of the facility that meets the requirements defined in the condition.	Submit plan to the CPM for review and approval. See Final Decision WASTE-5 for plan requirements.	No less than 30 days prior to start of project operation	6/1/12	NCPA			
WASTE-08	CONS	Ensure that all spills or releases of hazardous substances, hazardous materials, or hazardous waste are reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	Provide documentation as set forth in the verification language of the condition to the CPM. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered.	As required	As required	ARB	6/15/11	2011-011	Approved 6/20/11
WORKER SAFETY-02	COMM	Prepare and submit an O&M Safety & Health Plan containing: an IIPP, EAP, HMMP, FPP, and PPE.	The Operations IIPP, EAP, PPE shall be submitted to the CEC CPM for review and comment; the EAP and FPP shall also be submitted to the Woodbridge Fire Protection District for review and comment. Provide a copy of a letter to the CPM from the Woodbridge Fire Protection District stating the fire department's comments on the Operations Fire Prevention Plan and Emergency Action Plan.	At least 30 days prior to first fire or commissioning	10/15/11	NCPA	10/20/11	2011-020	Pending CEC approval
WORKER SAFETY-03a	CONS	Provide a site Construction Safety Supervisor (CSS) who will perform the duties set forth in the Condition.	Submit to CPM the name and contact info for the construction safety supervisor.	At least 30 days prior to site mobilization	Complete	ARB	6/22/10	Submitted J. Selvey under 2011-002	
WORKER SAFETY-03b	CONS	The CSS shall prepare and submit a monthly safety inspection that includes the info specified in the verification language of the condition.	Submit required info to the CPM.	Monthly	Include in MCR	CBO	Ongoing during construction		
WORKER SAFETY-04b	CONS	The CBO Safety Monitor shall be responsible for verifying that the construction safety supervisor implements all required Cal/OSHA and CEC safety requirements.	Submit the CBO Safety Monitor's report as part of the MCR.	Monthly	Include in MCR	CBO	Ongoing during construction		



NCPA LODI ENERGY CENTER

Lodi California

January 2012 AQCOMM / SWPPP Monthly Report

General Progress:

The month of January's weather followed the month of December with cold temperatures in the 50's and 60's most of the time. The weather was mostly dry with both clear skies and fog. ARB's water truck was run the first weeks of the month for dust control on-site and in the lay down yards. The water tank trailer was run the rest of the month for dust control on the roads when necessary. The CBO voiced concerns one time about possible dust concerns but the water trailer was used quickly and prevented dust events from taking place.

The Civil Crews continue to excavate for small foundations throughout the site and backfill around existing foundations. They are trying to eliminate any low spots that have the potential to hold water after rain events. They use water to condition the soils for compaction and keep dust to a minimum. The greatest potential for dust remains to come from the onsite traffic and this has been controlled with the use of the water truck and trailer to apply water to the site as necessary.

ARB has continued to decrease the number of units of equipment on site. NCPA's subcontractor SPX finished their work on the Cooling Tower and has removed their equipment from the site. ARB's main focus of work has been on the BOP piping and thus the possibility for causing dust events is low. The electricians are installing conduit and wire and are therefore causing little dust.

SWPPP

During the month of January, the site had experienced two rain events. For the month, there was a total of 0.89 inches of rain.

There were no samples taken as all BMPs were maintained and properly implemented.

Copies of any of the inspection reports are available upon request for review from Jaime Pena, jpena@arbinc.com

This report has been prepared by:

Jeff Latham

ARB, Inc

Project Engineer/AQCOMM

Jaime Pena

ARB, Inc.
Field Engineer

Lodi Energy Center
Summary of Diesel Construction Equipment Mitigation Determinations

Month January 2012

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
2008 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
2007 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
2007 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
Terex RT780 Crane	Cummins QSB 5.9, 275 HP		yes			no	yes	NA	yes	DPF Level 3 Plus Device Installed
Linkbelt RTC 8090 Series II 90 Ton Crane	Caterpillar C6.6, 221 HP	yes				no	yes	NA	yes	Tier 3
JLG 800AJ Manlift	Deutz D2011L04i, 62 HP	Tier 4 Interim				no	yes	NA	NA	Tier 4 Interim
JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	yes	Tier 3
Caterpillar TL1055 Forklift	Caterpillar C4.4 ACERT,	yes				no	yes	NA	NA	Tier 3
Caterpillar TH255 Forklift	Caterpillar C4.4, 83.8 HP	yes				no	yes	NA	NA	Tier 3

Lodi Energy Center
Summary of Diesel Construction Equipment Mitigation Determinations


Month January 2012

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
MQ DCA-300SSK4 Generator	Komatsu SAA6D125 5E-5, 420	yes				no	yes	NA	NA	Tier 3
Airman SDG 150S Generator	Isuzu BH-6HK1X, 240 HP	yes				no	yes	NA	NA	Tier 3
Skyjack VR-1056D Forklift	Cummins QSB8.6, 110 HP	yes				no	yes	NA	NA	Tier 3
Genie Z-135 Manlift	Deutz TD 2011 L04I, 74HP	yes				no	yes	NA	NA	Tier 3
JLG 1250AJP Manlift	Deutz TD2011L04 , 75 HP	yes				no	yes	NA	yes	Tier 3
Genie S-85 Manlift	Deutz TD2011L04 , 75 HP	yes				no	yes	NA	yes	Tier 3

Fuel gallons Purchased in January 2012

CLEAR ON-ROAD DIESEL – 546 GALLONS

RED OFF-ROAD DIESEL - 2634 GALLONS

 <p>Karen Lewallen <i>Isleton Plant Manager</i></p> <p>karenl@ramosoil.com www.ramosoil.com</p>	<p>... Excellent customer service drives our business!</p> <p>Ramos Oil Company, Inc. 1st Street / Highway 160 Isleton CA 95641</p> <p>Tel: (916) 777-5545 Fax: (916) 777-5859 Mobile: (916) 997-6823</p>
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Record Keeping Form

Month: JAN 2012

FORM A - Area Water Application

Project Location: Lodi Power Plant City: _____ Size: _____ (Miles/Acres)
 Owner: _____ Address: _____ City: _____ Zip: _____
 Contact Person: _____ Title: _____ Phone: () _____

Watering Schedule

Use this form to document daily water applications at a single site by recording total gallons per day and number of applications per day at a single area. Use additional forms, as necessary, for areas with different treatment schedules.

Area treated: Job site & laydown yards

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	1-1-12 6	1-2 6	1-3 2000	1-4 2000	1-5 2000	1-6 2000	1-7 6
2	1-8 6	1-9 2000	1-10 6	1-11	1-12	1-13 500	1-14
3	1-15	1-16 1000	1-17	1-18	1-19	1-20 1000	1-21
4	1-22	1-23	1-24	1-25	1-26	1-27	1-28
5	1-29	1-30 1000					

Area treated: _____

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1							
2							
3							
4							
5							

Exhibit 8

Resource Specialists' Monthly Reports

Biological Resources
Mitigation Monitoring for the
Lodi Energy Center Project

MONTHLY COMPLIANCE REPORT (BIO-2)

January 2012

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Figure G-1. Wildlife Observation Form

<p align="center">WILDLIFE OBSERVATION FORM</p> <p align="center">To Record Animals Found In Lodi Energy Center Project Areas</p> <p>To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.</p>	
Name of employee:	Designated Biologist Rick Crowe
Date:	1-10-12
Location of observation:	In bell hole trench box
Wildlife Species:	Western Harvest Mouse
Condition of wildlife:	alive <input type="checkbox"/> dead <input checked="" type="checkbox"/>
Possible cause of injury or death:	Crushed during excavation
Where is the animal currently?	Disposed of off site.
Is the resource in danger of project (or other) impacts?	No
Comments:	Observed by DB during morning trench survey
<p>Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.</p>	
<p>DESIGNATED BIOLOGIST: Rick Crowe Cell (916) 296-5525 Office (916) 286-0416</p>	
<p>BIOLOGICAL FIELD MONITORS: Dan Williams Cell (916) 943-8247 Office (916) 286-0229</p>	
<p>Victor Leighton Cell (916) 425-7862 Office (916) 286-0415</p>	
<p>COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600</p>	

Figure G-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Lodi Energy Center Project Areas	
To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Designated Biologist Rick Crowe
Date:	1-10-12
Location of observation:	In pipe trench
Wildlife Species:	Botta's Pocket Gopher
Condition of wildlife:	
alive	<input checked="" type="checkbox"/>
dead	<input type="checkbox"/>
Possible cause of injury or death:	N/A
Where is the animal currently?	Captured and safely relocated off project site.
Is the resource in danger of project (or other) impacts?	NO
Comments:	Observed by DB during morning trench survey.
Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.	
DESIGNATED BIOLOGIST: Rick Crowe Cell (916) 296-5525 Office (916) 286-0416	
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Lodi Energy Center
MONTHLY COMPLIANCE REPORT

January 2012

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APPENDICES

- A)** Cumulative Wildlife Species Observed in or Near the Project Area
- B)** Site Photos
- C)** Wildlife Observation Forms

INTRODUCTION

The Lodi Energy Center (LEC) project site is on 4.4 acres of land owned and incorporated by the City of Lodi, 6 miles west of the Lodi city center. The site is located adjacent to Interstate-5 approximately 1.7 miles south of State Route 12. On the east side of the site is the City of Lodi's White Slough Water Pollution Control Facility (WPCF). The WPCF's treatment and holding ponds are located to the north. To the west is the 49-megawatt Northern California Power Agency (NCPA) Combustion Turbine Project (STIG Plant), and further to the west is the Pacific Gas and Electric Company (PG&E) overhead 230 kilovolt electric transmission line. The San Joaquin County Mosquito and Vector Control facility is located south of the project site.

Originally, construction of the LEC facility would require the use of four laydown areas totaling 9.8 acres; Area A consisted of 3.1 acres, Area B consisted of 2.2 acres, Area C consisted of 1.6 acres, and Area D consisting of 2.9 acres. On July 2, 2010, NCPA filed a petition with the California Energy Commission (CEC) requesting the additional use of 9.4 acres of construction laydown and parking areas. The requested areas will add 0.7 acres to the existing 3.1 acre laydown Area A, add an additional 6.1 acre laydown area known as Area E which is directly north of the frontage entrance to the LEC project site and an additional 2.6 acre laydown area known as Area F. On August 9, 2010, the CEC staff included as part of the project the requested additional laydown areas contingent on mitigating the impacts to the additional acres through the San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (MSHCP) for the fee of \$48,229.50. NCPA paid the use fee to the MSHCP and the additional laydown areas were released for use by the CEC on September 13th, 2010.

Initially, the construction of the LEC gas pipeline as permitted required a 35-foot construction right-of-way which would affect approximately 3.55 acres of agricultural land. The original 3.55 acres was mitigated along with other project impacts through the MSHCP by NCPA acquiring 21.25 acres which was placed in a conservation easement that the San Joaquin County Council of Governments (SJCOG) would oversee in perpetuity. After further project review the gas pipeline was redesigned by PG&E and an additional 5.37 acres of right-of-way was determined to be required. Therefore, on July 15, 2011 NCPA submitted a request to the MSHCP for an additional 5.37 acres of mitigation credits to cover impacts to agricultural land, the fee for this transaction was \$71,216.94. On October 8, 2011 the additional mitigation fee was paid to the MSHCP finalizing the mitigation requirement. As required for all project description changes or acreage impact changes the CEC was notified of the proposed change on July 19, 2011 when it was presented as a modification to the project description. On September 29, 2011 the CEC approved the project description modification and the new gas pipeline began construction during the month of October, 2011.

Biological monitoring for the month of January included monitoring the 4.4-acre power generation facility, the 19.2 acre laydown areas and the natural gas pipeline right-of-way.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the LEC project site were developed through consultation with the California Energy Commission (CEC), and the SJCOG which oversees the MSHCP. Documentation of compliance with any conditions of the agency permits will be included when used on the project.

Conditions of Certification (COC) BIO 1-8 were in compliance during the month of January 2012. The following COC's require specific language be included in each monthly compliance report therefore they are addressed separately below;

BIO-9, employing giant garter snake (GGS) mitigation measures like sediment/ animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within GGS habitat for giant garter snake protection insured that BIO-9 was in compliance during the month of January 2012.

BIO-10, burrowing owl mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making daily site visits to the gas pipeline portion of the project insured that BIO-10 was in compliance during the month of January 2012.

BIO-11, Swainson's hawk (SWHA) mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-11 was in compliance during the month of January 2012.

BIO-12, migratory bird mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-12 was in compliance during the month of January 2012.

BIO-13, northwestern and western pond turtle mitigation measures like sediment/ animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within pond turtle habitat insured that BIO-13 was in compliance during the month of January 2012.

SUMMARY OF ACTIVITIES

This report provides a summary of January 2012 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The Designated Biologist (DB) and Biological Monitor (BM) completed logs summarizing activities, personal interactions, and observations made during each site visit. These logs are available on request.

Site Construction

January LEC project site activities consisted of concrete pouring, underground piping installation, welding, and construction of the HRZG stack, as well as continuing construction on the plant's foundations and electrical pathways. Construction of the natural gas pipeline was ongoing during the month of January and monitoring for the pipeline was performed on an as needed basis.

Monitoring visits were conducted periodically to document permit compliance.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAP program was developed exclusively for the LEC project. Program materials include a handbook, video, posted speed limit signs and supporting posters. As required by COC BIO-5 from the CEC *Commission Decision*, all new employees must attend the WEAP program.

Forty-eight (48) personnel received WEAP training in January for a total of 1346 employees trained at LEC since the project started. An ARB Safety and Compliance Manager administered the WEAP training to new employees as well as the LEC Designated Biologist and Biological Monitor. Signed affidavits are kept on file by the ARB Safety and Compliance Manager and the NCPA Compliance Manager.

GENERAL DAILY NOTES AND OBSERVATIONS

During the month of January daily Biological Monitoring was not required of the LEC project site however, the gas pipeline required daily oversight due to the close proximity to burrowing owls. Project biological oversight was covered by the Designated Biologist (DB) Rick Crowe or the Biological Monitors (BM) Dan Williams or Victor Leighton. The monitoring efforts for the month of January are documented below;

January 3rd, the DB was on site to monitor the gas pipeline activities which consisted of pot holing (exposing the existing pipe) on the western most segment of the alignment, coating, trenching and lowering the pipe, (Photos 3 and 4). The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. While on site the DB checked on the 2 burrowing owls that were observed 400 and 500 feet north of the gas pipeline right-of-way and documented their presence with; Photos 1 and 2. During this site visit the LEC gas pipeline construction was in compliance.

January 4th, the DB was on site to monitor the gas pipeline activities which included trenching, lowering the pipe and backfilling. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. While on site the DB checked on the 2 burrowing owls that were observed 400 and 500 feet north of the gas pipeline right-of-way and documented their presence with; Photos 5 and 6. During this site visit the LEC gas pipeline construction was in compliance.

January 5th, the DB was on site to monitor the gas pipeline activities which included trenching, lowering the pipe and backfilling. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 6th, the DB was on site to monitor the gas pipeline activities which included wheel trenching the pipeline ditch within farm fields east of North Thornton Road, (Photo 7). The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 9th, the DB was on site to monitor the gas pipeline activities which included completion of the wheel trenching and off loading gas pipe, (Photo 9). The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 10th, the DB was on site to monitor the gas pipeline activities which included trenching, lowering the pipe and backfilling, (Photo 13). During inspection of the open pipe trench the DB observed a Botta's Pocket Gopher, (*Thomomys bottae*). The DB with the assistance of one of the PG&E employees herded the gopher to the trench escape ramp where it was captured by the DB and safely relocated off of the right-of-way, (Photo 9). Also, while inspecting the trench the DB observed a dead Western Harvest Mouse (*Reithrodontomys megalotis*) lying in a large bell-hole area, (Photo 10). The mouse appeared to have been crushed during the bell-hole excavation. For more information on these observations see Appendix C Wildlife Observation Forms. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way, (Photos 11 and 12). During this site visit the LEC gas pipeline construction was in compliance.

January 12th, the DB was on site to monitor the gas pipeline activities which included trenching, lowering the pipe and backfilling. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 13th, the DB was on site to monitor the gas pipeline activities which included trenching, lowering the pipe and backfilling, (Photo 14). The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 14th, the DB was on site to monitor the gas pipeline activities which included welding and backfilling the ditch line with sand. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 17th, the DB was on site to monitor the gas pipeline activities which included welding and backfilling the ditch line with sand. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 18th, the DB was on site to monitor the gas pipeline activities which included welding and backfilling the ditch line with wet sand. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 19th, the DB was on site to monitor the gas pipeline activities which included welding and backfilling the ditch line with wet sand, (Photos 15 and 16). The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two

burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance. Also the DB performed a compliance check of the LEC project site (Photos 17, 20, and 22) and observed pre-storm SWPPP measures being installed, (Photos 18, 19, and 21). During this site visit the LEC project site was in compliance.

January 23rd, the DB was on site to monitor the gas pipeline activities however, due to heavy rain the night before work on the pipeline was called off for the day. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet (Photo 23) and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 24th, the DB was on site to monitor the gas pipeline activities which included excavating, welding and backfilling the ditch line with native soil. Photo 24 depicts standing water within the farm road which is adjacent to the pipeline right-of-way just west of Devries Road. The standing water was due to the recent storm event and that PG&E had left a culvert covered prior to the storm event. The culvert was uncovered and the standing rain water drained into the adjacent farm ditch without incident. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

January 26th, the DB was on site to monitor the gas pipeline activities which included excavating the bell-hole for the tie-in (Photo 25), welding and backfilling the ditch line with native soil. The DB inspected the trench line prior to work beginning for the day, no wildlife was observed. The DB checked on the two burrowing owls that are north of the gas pipeline right-of-way and observed one owl 400-feet and a second owl 500-feet north of the right-of-way. During this site visit the LEC gas pipeline construction was in compliance.

Appendix A
Cumulative Wildlife Species Observed in or Near
the Project Area

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
• BIRDS		
Canada goose	<i>Branta canadensis</i>	WPCF ponds, single individual captured and taken to Wildlife Care October 2010.
Cackling goose	<i>Branta hutchinsii</i>	Fly over
Snow goose	<i>Chen caerulescens</i>	Fly over
Gadwall	<i>Anas strepera</i>	WPCF ponds
Mallard	<i>Anas platyrhynchos</i>	WPCF ponds, nest in laydown area A 2011.
Northern pintail	<i>Anas acuta</i>	WPCF ponds
Northern shoveler	<i>Anas clypeata</i>	WPCF ponds
Cinnamon teal	<i>Anas cyanoptera</i>	WPCF ponds
Green-winged teal	<i>Anas crecca</i>	WPCF ponds
Lesser scaup	<i>Aythya affinis</i>	WPCF ponds
Bufflehead	<i>Bucephala albeola</i>	WPCF ponds
Ruddy duck	<i>Oxyura jamaicensis</i>	WPCF ponds
Ring-necked pheasant (Exotic)	<i>Phasianus colchicus</i>	WPCF ponds
Pied-billed grebe	<i>Podilymbus podiceps</i>	WPCF ponds
Eared grebe	<i>Podiceps nigricollis</i>	WPCF ponds
Horned grebe	<i>Podiceps auritus</i>	WPCF ponds
American white pelican	<i>Pelecanus erythrorhynchos</i>	WPCF ponds
Double-crested cormorant	<i>Phalacrocorax auritus</i>	WPCF ponds
Great blue heron	<i>Ardea herodias</i>	Canal and WPCF ponds
Great egret	<i>Ardea alba</i>	Canal and WPCF ponds
Snowy egret	<i>Egretta thula</i>	WPCF ponds, one individual observed dead adjacent to t-line along southern portion of project site August 2010.
Green heron	<i>Butorides virescens</i>	Canal
Black-crowned night-heron	<i>Nycticorax nycticorax</i>	Canal
White-faced ibis	<i>Plegadis chihi</i>	WPCF ponds
Turkey vulture	<i>Cathartes aura</i>	Fly over
White-tailed kite	<i>Elanus leucurus</i>	Pipeline route
Northern harrier	<i>Circus cyaneus</i>	Pipeline route
Cooper's hawk	<i>Accipiter cooperii</i>	Fly over
Sharp-shinned hawk	<i>Accipiter striatus</i>	Fly over
Red-shouldered hawk	<i>Buteo lineatus</i>	Hunting along canal
Red-tailed hawk	<i>Buteo jamaicensis</i>	Pipeline route and laydown areas
Swainson's hawk	<i>Buteo swainsoni</i>	One individual observed dead from collision with fence, Sept. 2010. Pair observed nesting in employee parking lot April 2011.

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Ferruginous hawk	<i>Buteo regalis</i>	Observed one hawk on gas pipeline right-of-way November 2011.
American kestrel	<i>Falco sparverius</i>	Laydown areas
Merlin	<i>Falco columbarius</i>	Perched along entrance road, 11/30/10
Peregrine falcon	<i>Falco peregrinus</i>	Hunting WPCF ponds
Prairie falcon	<i>Falco mexicanus</i>	Fly over, 11/9/10
Barn owl	<i>Tyto alba</i>	Dead individual observed near Safety trailer, 11/8/10.
Burrowing owl	<i>Athene cunicularia</i>	One individual observed 500-feet north of gas pipeline right-of-way, 10/13/11. Two individuals observed 400 and 500-feet north of the pipeline right-of-way, 2011 and 2012.
American coot	<i>Fulica americana</i>	WPCF ponds
Sandhill crane	<i>Grus canadensis</i>	Fly over
Black-bellied plover	<i>Pluvialis squatarola</i>	Pipeline route and WPCF ponds
Mountain plover	<i>Charadrius montanus</i>	Numerous individuals observed foraging in field just south of gas pipeline right-of-way, December 2011.
Pacific golden-plover	<i>Pluvialis fulva</i>	WPCF ponds
Killdeer	<i>Charadrius vociferus</i>	Canal, laydown areas, pipeline route, and WPCF ponds. Nest in switchyard 2010. Nest in northern portion of power block, failed 2011. Nest in Laydown Area A predated, April and May 2011.
Semipalmated plover	<i>Charadrius semipalmatus</i>	WPCF ponds
American avocet	<i>Recurvirostra americana</i>	WPCF ponds
Black-necked stilt	<i>Himantopus mexicanus</i>	WPCF ponds
Spotted sandpiper	<i>Actitis macularius</i>	WPCF ponds
Greater yellowlegs	<i>Tringa melanoleuca</i>	Pipeline route and WPCF ponds
Lesser yellowlegs	<i>Tringa flavipes</i>	WPCF ponds
Whimbrel	<i>Numenius phaeopus</i>	WPCF ponds
Long-billed curlew	<i>Numenius americanus</i>	Fly over, curlews observed foraging south of gas pipeline 2011
Least sandpiper	<i>Calidris minutilla</i>	WPCF ponds
Western sandpiper	<i>Calidris mauri</i>	WPCF ponds
Baird's sandpiper	<i>Calidris bairdii</i>	WPCF ponds
Pectoral sandpiper	<i>Calidris melanotos</i>	WPCF ponds
Dunlin	<i>Calidris alpina</i>	WPCF ponds
Long-billed dowitcher	<i>Gallinago delicata</i>	Canal
Wilson's snipe	<i>Calidris alpina</i>	Pipeline route and WPCF ponds
Wilson's phalarope	<i>Phalaropus tricolor</i>	WPCF ponds
Ring-billed gull	<i>Larus delawarensis</i>	WPCF ponds

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Mew gull	<i>Larus canus</i>	WPCF ponds
California gull	<i>Larus californicus</i>	WPCF ponds
Bonaparte's gull	<i>Larus philadelphia</i>	WPCF ponds
Caspian tern	<i>Hydroprogne caspia</i>	WPCF ponds
Forster's tern	<i>Limnodromus scolopaceus</i>	WPCF ponds
Common tern	<i>Sterna hirundo</i>	WPCF ponds
Rock pigeon (<i>Exotic</i>)	<i>Sterna fosteri</i>	STIG plant
Eurasian collared-dove (<i>Exotic</i>)	<i>Columba livia</i>	Laydown areas and pipeline route. One individual observed dead within STIG plant, August 2010.
Mourning dove	<i>Streptopelia decaocto</i>	Laydown areas and pipeline route
White-throated swift	<i>Aeronautes saxatalis</i>	Fly over
Vaux's swift	<i>Zenaida macroura</i>	Fly over
Anna's hummingbird	<i>Chaetura vauxi</i>	Canal and east parking area
Black-chinned hummingbird	<i>Calypte anna</i>	Canal
Belted kingfisher	<i>Archilochus alexandri</i>	Canal
Downy woodpecker	<i>Picoides pubescens</i>	East parking area
Nuttall's woodpecker	<i>Picoides nuttallii</i>	East parking area
Northern flicker	<i>Colaptes auratus</i>	Laydown areas and pipeline route
Pacific-slope flycatcher	<i>Empidonax difficilis</i>	Canal setback
Western wood-pewee	<i>Contopus sordidulus</i>	Canal setback
Black phoebe	<i>Sayornis nigricans</i>	Canal
Western kingbird	<i>Tyrannus verticalis</i>	Canal, laydown areas, and pipeline route
Cassin's vireo	<i>Lanius ludovicianus</i>	Canal setback
Loggerhead shrike	<i>Vireo cassinii</i>	Pipeline route
Western scrub-jay	<i>Aphelocoma californica</i>	East parking area and pipeline route
American crow	<i>Corvus brachyrhynchos</i>	Laydown areas and pipeline route
Common raven	<i>Corvus corax</i>	Laydown areas and pipeline route
Horned lark	<i>Eremophila alpestris</i>	Laydown areas and pipeline route
Purple martin	<i>Progne subis</i>	Pipeline route
Tree swallow	<i>Tachycineta bicolor</i>	Pipeline route
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	WPCF ponds
Cliff swallow	<i>Petrochelidon pyrrhonota</i>	Fly over
Bank swallow	<i>Riparia riparia</i>	WPCF ponds
Barn swallow	<i>Hirundo rustica</i>	Pipeline route and WPCF ponds, one individual observed dead from Laydown Area E, 2011.
Bushtit	<i>Psaltirparus minimus</i>	Pipeline route and WPCF ponds
Ruby-crowned kinglet	<i>Regulus calendula</i>	East parking area

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
American robin	<i>Turdus migratorius</i>	Canal and laydown areas
Northern mockingbird	<i>Mimus polyglottos</i>	Laydown areas and pipeline route
European starling (<i>Exotic</i>)	<i>Sturnus vulgaris</i>	Canal, laydown areas, and pipeline route
American pipit	<i>Anthus rubescens</i>	WPCF ponds and pipeline route
Cedar waxwing	<i>Bombycilla cedrorum</i>	Laydown areas and pipeline route
Orange-crowned warbler	<i>Vermivora celata</i>	East parking area and oaks along entrance road
Nashville warbler	<i>Vermivora ruficapilla</i>	Canal setback
Yellow warbler	<i>Dendroica petichia</i>	East parking area and oaks
Yellow-rumped warbler	<i>Dendroica coronata</i>	Laydown areas and pipeline route
Common yellowthroat	<i>Geothlypis trichas</i>	Canal
Wilson's warbler	<i>Wilsonia pusilla</i>	Canal setback
Western tanager	<i>Piranga ludoviciana</i>	Canal setback and east parking area
Spotted towhee	<i>Pipilo maculatus</i>	Canal setback
Savannah sparrow	<i>Passerculus sandwichensis</i>	Canal and pipeline route
Song sparrow	<i>Melospiza melodia</i>	Canal and pipeline route
Lincoln's sparrow	<i>Melospiza lincolnii</i>	Canal
Golden-crowned sparrow	<i>Zonotrichia atricapilla</i>	Canal and laydown areas
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	Canal and pipeline route
Dark-eyed junco	<i>Junco hyemalis</i>	East parking area
Black-headed grosbeak	<i>Pheucticus melanocephalus</i>	East parking area
Blue grosbeak	<i>Passerina caerulea</i>	Canal, laydown areas, and pipeline route
Red-winged blackbird	<i>Agelaius phoeniceus</i>	Canal
Tricolored blackbird	<i>Agelaius tricolor</i>	Fly over
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	STIG plant and WPCF ponds
Great-tailed grackle	<i>Quiscalus mexicanus</i>	Canal and WPCF ponds. Gas pipeline right-of-way.
Western Meadowlark	<i>Sturnella neglecta</i>	Pipeline route. One individual observed dead on grill of truck, 11/12/10.
Brown-headed cowbird	<i>Molothrus ater</i>	Canal and WPCF ponds
Bullock's oriole	<i>Icterus bullockii</i>	Laydown areas and Energy Center footprint
Orchard oriole	<i>Icterus spurius</i>	Canal setback
House finch	<i>Carpodacus mexicanus</i>	STIG plant and pipeline route. One individual observed dead near existing STIG plant, April 2011. Numerous nests throughout project spring 2011.
American goldfinch	<i>Carduelis tristis</i>	Canal, laydown areas, and pipeline route
Lesser goldfinch	<i>Carduelis psaltria</i>	Laydown areas
House sparrow (<i>Exotic</i>)	<i>Passer domesticus</i>	STIG plant and pipeline route. One

		individual observed dead.
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Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
MAMMALS		
Audubon's cottontail	<i>Sylvilagus audubonii</i>	Laydown areas and Energy Center footprint. One individual observed in northern portion of power block April 2011.
California vole	<i>Microtus californicus</i>	Energy Center Footprint and laydown areas. Several individuals killed during clearing and grubbing, August 2010.
*Botta's pocket gopher	<i>Thomomys bottae</i>	Dead individual observed near HRSG foundation, Nov. 2010.
*Western harvest mouse	<i>Reithrodontomys megalotis</i>	Observed dead mouse in bell-hole excavation on gas pipeline alignment, January 2012.
California ground-squirrel	<i>Spermophilus beecheyi</i>	Pipeline route, Energy Center footprint and laydown areas
Dog	<i>Canis familiaris</i>	Two dogs observed in southern section of LEC site, April 2011. Skelton of dog unearthed by gas pipeline, December 2011.
Feral cat	<i>Felis catus</i>	Energy Center Footprint
REPTILES		
Western pond turtle	<i>Actinemys marmorata</i>	Canal and WPCF ponds
Slider	<i>Trachemys scripta</i>	Canal and crossing access road
Common king snake	<i>Lampropeltis gettus</i>	Several caught and relocated during clearing and grubbing, one individual killed, August and October 2010. One individual killed on project to the north, April 2011. Two individual captured and relocated November 2011.
Western skink	<i>Plestiodon (Eumeces) skiltonianus</i>	One individual crushed during clearing and grubbing, August 2010.
Gopher snake	<i>Pituophis melanoleucus</i>	BM captured and relocated one individual Sept. 2010. DB captured and removed from project site, April 2011.
Common garter snake	<i>Thamnophis sirtalis</i>	BM observed one individual near the City of Lodi White Slough Treatment plant, Sept. 2010. One individual killed, April 2011. One individual captured and relocated off site May, 2011.
Southern alligator lizard	<i>Gerrhonotus multicarinatus</i>	Observed during clearing and grubbing, 2010.
Western fence lizard	<i>Sceloporus occidentalis</i>	Laydown area, pipeline route and Energy Center footprint

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
INVERTEBRATES		
Butterflies		
Cabbage white	<i>Pieris rapae</i>	Pipeline route
Orange sulphur	<i>Colias eurytheme</i>	Pipeline route
Painted lady	<i>Vanessa cardui</i>	Pipeline route
Red admiral	<i>Vanessa atalanta</i>	Pipeline route

* Indicates new observance or additional information

Appendix B
Site Photos



Photo 1, of burrowing owl as observed 400-feet north of gas pipeline right-of-way, 1/3/12.



Photo 2, of second burrowing owl as observed 500-feet north of gas pipeline right-of-way,
1/3/12.



Photo 3 of gas pipeline coating prior to lowering in trench, 1/3/12.



Photo 4, of gas pipeline trench with shoring in place, 1/3/12.



Photo 5 of burrowing owl as observed 400-feet north of gas pipeline right-of-way, 1/4/12.



Photo 6 of burrowing owl as observed 500-feet north of gas pipeline right-of-way, 1/4/12.



Photo 7 of wheel trencher preparing to trench the last portion of the pipeline alignment, 1/6/12.



Photo 8 of gas pipeline being off loaded within right-of-way, 1/9/12.



Photo 9, of Botta's Pocket Gopher prior to being safely released off site, 1/10/12.



Photo 10 of dead Western Harvest Mouse as observed after trenching, 1/10/12.



Photo 11 of burrowing owl as observed 400-feet north of gas pipeline right-of-way, 1/10/12.



Photo 12 of burrowing owl as observed 500-feet north of gas pipeline right-of-way, 1/10/12.



Photo 13 of gas pipeline right-of-way with equipment and pipe, 1/10/12.



Photo 14 of gas pipeline being lowered into the trench, 1/13/12.



Photo 15 of a track excavator compacting the buried pipeline, 1/19/12.



Photo 16 of water spraying for dust control, 1/19/12.



Photo 17 of western portion of LEC project site, 1/19/12.



Photo 18 of typical storm drain protection as observed throughout the LEC site, 1/19/12.



Photo 19 of typical storm drain protection as observed throughout the LEC site, 1/19/12.



Photo 20 of cooling tower during construction, 1/19/12.



Photo 21 of typical storm drain protection as observed throughout the LEC site, 1/19/12.



Photo 22 of east side of LEC project site, 1/19/12.



Photo 23 of burrowing owl as observed 400-feet north of gas pipeline right-of-way, 1/23/12.



Photo 24 of pipeline right-of-way after recent rain event, 1/24/12.



Photo 25 of gas pipeline tie-in excavation, 1/26/12.

Appendix C

Wildlife Observation Forms

Monthly Report of Cultural Resources Monitoring Activities for the Lodi Energy Center; COC CUL-6

Prepared For: Sarah Madams, LEC Project Manager
Prepared By: Clint Helton, LEC CRS
Reporting For Period: January 2012

This report covers cultural resources monitoring activities at the Lodi Energy Center (LEC) project for the month of January 2012, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Clint Helton was on-call as the Cultural Resources Specialist (CRS) for this month.

Monitoring and Associated Activities This Period

No cultural resources monitoring occurred.

Cultural Resources Discoveries This Period

None.

Anticipated Changes in the Next Period

None.

Comments, Issues or Concerns

None.

Lodi Energy Center (LEC) COC PAL-5; Paleontological Resources Monitoring Report for Construction Activities in January, 2012

PREPARED FOR: Andrea Greiner, Greiner & Associates
Sarah Madams, CH2M HILL

PREPARED BY: W. G. Spaulding, Ph.D., Paleontological Resources Specialist (PRS)
Levi R. Pratt, Staff Paleontologist

DATE: February 1, 2012

This report covers paleontological resources monitoring activities at the Lodi Energy Center (LEC) project for the month of January, 2012, as required by Conditions of Certification PAL-5.

Personnel On-Call for Paleontological Monitoring This Period:

Jaspal Saini - Paleontological Resources Monitor (PRM)
Levi Pratt (PRM)

Training Conducted This Month

All construction personnel receive the CEC approved Paleontological Resources Awareness Module of Worker Environmental Awareness Training prior to working on this project.

Monitoring Conducted This Month

Excavations to depths that may have paleontological potential have largely been concluded as project build-out goes vertical. A site visit was conducted on January 30, 2012 by a PRM to inspect trench sidewalls and backdirt from the gas line previously excavated east of the LEC site. The purpose of the site visit was to confirm the presence of sediments with low potential. It was determined during the field inspection that the sediments impacted by gas line excavations are of low paleontological sensitivity and that the remaining excavations for the gas line will not occur in paleontologically sensitive sediments as sediments have been previously ripped for vineyard planting to a depth of 7 feet.

Changes In the Future

No changes to the current paleontological resources monitoring schedule are necessary. The next step is to determine whether any additional deep excavations will occur.

Paleontological Discoveries This Month

No paleontological resources were encountered during this reporting period.

Comments, Issues or Concerns

No issues or concerns were encountered during this period.

INTERNAL MEMORANDUM

Date: February 8, 2012

To: Richard Crowe, LEC Designated Biologist, CH2M Hill

cc: Isabella Johannes, PG&E

Prepared by: Terry James, JJ&A

**Subject: January Stormwater Monitoring Status Update
NCPA Lodi Project**

Richard,

As requested, this memorandum provides a brief summary of stormwater inspection activities completed during the month of January, 2012 at the NCPA gas pipeline construction project located in the vicinity of Lodi, California.

1. There were a total of four (4) stormwater related inspections conducted at the site as indicated on the attached table.
2. There was approximately 1.44-inch of precipitation at the site during the month of January 2012. There was one qualifying rain event (i.e., precipitation event that results in > 0.50 inch) during the month of January 2012.
3. The monthly QSP site inspection was conducted on January 23, 2012; site was noted to be in compliance with the Storm Water Pollution Prevention Plan (SWPPP) developed for the project.

A table summarizing inspections and photographs taken at the site documenting stormwater BMPs are attached.

NCPA LODI SWPPP INSPECTION SUMMARY
JANUARY 2012 REPORTING PERIOD
Pacific Gas Electric

Project	Date	Inspections		Rainfall Events		Photos Taken	Uploaded to SMARTS
		Type	By	No. ^a	Total (in)		
NCPA Lodi LUP Type 1 Construction: 10/31/11-2/28/12	1/17/12	Pre-Storm	JB	--		Yes	--
	1/20/12	During Storm	JB	2	1.44	Yes	--
	1/21/12	-- ^c				--	
	1/22/12	-- ^c				--	
	1/23/12	Monthly/Strm	MM			Yes	--
	1/24/12	Post-Storm	MM	--		Yes	--

Notes:

^a Rain event number applies to qualifying rain events (greater the 0.5 inches).

^b Corrective action implementation shall begin within 72 hours of identification and completed as soon as possible.

^c No inspections, outside of working hours.



Track-out control BMP installed in lay-down area.



Fiber roll BMP installed at swale.



Pipeline construction activities at rail line & Armstrong Rd.



Lay-down area at Armstrong Rd & Devries Rd.

Exhibit 9

WEAP Training Sign-In Sheets

[illegible]

1/5/12

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

DATE:

1-4-12

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

DATE: 01-07-12

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Lodi Energy Center
WARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE:

11912012

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

DATE:

1-10-12

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Lodi Energy Center
ARENES ENVIRONMENTAL
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

112112

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

11712

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

DATE:

V20/2017

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

[illegible]

Lodi Energy Center
VARENESS ENVIRONMENTAL
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

195-17

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Lodi Energy Center
AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE:

136 12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Utah Energy Center
 WARENESS ENVIRONMENTAL PROGRAM
 TRAINING SIGN-IN SHEET
 (Biology, Archaeology, & Paleontology)

DATE:

1-27-12

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
James Gray	James Gray	Wm B. Smith
AARON VASQUEZ	Aaron Vasquez	Wm B. Smith
James Gray	James Gray	Wm B. Smith
Peter Gray	Peter Gray	Wm B. Smith

DATE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Lodi Energy Center
AARENESS ENVIRONMENTAL
TRAINING SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

13112

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

[illegible]

Monthly CEC Project Workers Safety Report**Project:** Lodi Energy Center 08-AFC-10**Report Period:** January 2011**Prepared by Inspector of Record:** Taner Pamuk

1. Executive Summary of the Workers Safety Management

- ❖ Health and Safety Committee meetings continued to be held during this month. The meetings continued to be chaired by the project management / design team (WP) on the behalf of the Project Owner (NCPA).
- ❖ The safety department of contractor ARB continued informing the Fire Department about the nature of confined space works and high angle works via phone as part of emergency readiness and preparation on a weekly basis (due to decline on works).
- ❖ The CBO safety representative performed walk down inspections with LEC Project safety personnel. Issues that were observed during these walk-downs were documented by the LEC Project safety personnel and correction follow-up was done accordingly.

2. Field Condition and Observations

The main safety concern of this month continued to be the issues related with general housekeeping and maintaining clear path ways to work areas. An improvement on housekeeping was noted towards the end of month.

One other main and high risk concern was the use of grinders. It was noted that the guards on some of the grinders were taken off. There was a debate on the issuing of a variance on removing guards from grinders. OSHA specifies the conditions / circumstances in which a guard can be removed. Site personnel were putting on their Job Hazard Analyses that they had removed the guards and/or handles due to the shape of the work not permitting the use of guards. However it was observed that this was used as an excuse to bend the rules. This concern was handled and corrective actions were taken.

There was an ongoing debate about soft-hood use by welders. NCPA/WP safety representative continuously pushed and enforced use of hard-hat since welders were not using it with their soft-caps. The contractor ARB's safety procedures specifically stated no soft-hood use.

HEALTH & SAFETY MONITORING



Period 01/01/12-01/31/12

Cal/OSHA representatives visited the site as part of the Golden Gate Recognition program. The contractor ARB is persuading to be recognized by Cal/OSHA for effort in maintaining an effective Injury and Illness Prevention Program.

3. Safety Inspections

- ❖ NCPA/WP safety manager continued to perform daily site inspections and included follow-up to ensure and verify that unsafe items were closed
- ❖ NCPA/WP safety manager continued to perform safety inspections and random checks on site to ensure that all contractors on site were in compliance with LORS and were maintaining a safe site for their workforce, as well as others who might be affected
- ❖ Contractor ARB continued to perform interval safety walk-downs with work crews to improve and enforce worker safety

Pictorial summary of the site conditions

	
<p>Photo #1 – General view of the Plant from top of the Cooling Tower</p>	<p>Photo #2 – Steam Turbine Enclosure work activities</p>

4. Observed Unsafe Conditions and Corrective Actions Taken

	<p>Correction Required Floor opening</p> <p>Standard 8 CCR 3212 (5) & 1632 (b)(1)</p> <p>Corrective Action Requested Install toe-board or fencing to avoid materials accidentally falling onto level below</p> <p>RESOLVED</p>
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	<p>Correction Required Noted that welding leads were run over by man-lifts</p> <p>Standard 29 CFR 1910.305(a)(2)(x)</p> <p>Corrective Action Requested Re-route the leads to avoid them receiving damage from equipment</p>
	<p>Correction Required Ventilation / welding fumes: health issue</p> <p>Standard 8 CCR 5150 (a).</p> <p>Corrective Action Requested Ensure that local ventilation is provided and sufficient enough to clear the fumes out of the building RESOLVED *A Welding fume extractor was brought as a corrective measure</p>
	<p>Correction Required Observed an employee descending from the HRSG staircase with a cable drum</p> <p>Standard N/A</p> <p>Corrective Action Requested Avoid employees carrying bulky items up and/or down from the HRSG staircase.</p>



Correction Required

Observed grinders without guards on them

Standard

(8 CCR 3577 (b))

Corrective Action Requested

Ensure the use of guards

RESOLVED

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
1	09/27/10	HRSB Duct Bank crossing (north)	Need listing for couplers	09/30/10	Lowell Brown	
2	09/30/10	HRSB Duct Bank crossing (Middle)	N/A	10/04/10	Lowell Brown	
3	10/06/10	HRSB Duct Bank crossing (South)	N/A	10/07/10	Lowell Brown	
4	10/14/10	HRSB Ground Grid	CEMS Grounding, Lightning c/o stack	10/14/10	Lowell Brown	Lightning Prot N/E
5	10/21/10	CTG Ground Grid	N/A	10/21/10	Lowell Brown	
6	11/01/10	HRSB Bottom Mat, bolts & drains	Rebar Mat laps, repair pipe wrap	11/01/10	Lowell Brown	
7	11/04/10	HRSB Drain Ductile Iron Top out	Top out O.K.	11/04/10	Lowell Brown	
8	11/04/10	HRSB Top Mat & Repairs	Rebar, Bolts, Pipe Wrap finished	11/04/10	Lowell Brown	
9	11/10/10	CTG Foundation Bottom Mat	Progress O.K., Need Conduits & Pipe	11/10/10	Lowell Brown	
10	11/10/10	Site Temporary Facilities	Provide approved plans for Inspection	11/10/10	Lowell Brown	
11	11/12/10	Firewall Ftg, Rebar & Grounds	Rebar & Grounds	11/12/10	Lowell Brown	
12	11/22/10	Fire Wall Rebar	Minor Items to be confirmed by Spec.	11/22/10	Lowell Brown	
13	11/24/10	CT Drains (3) Top out Test	O.K., pipe test X 3	11/24/10	Lowell Brown	
14	12/10/10	Fire Line Tie-in Spool	Hydrotest to 200 psi / 2hrs, o.k.,	12/10/10	Lowell Brown	
15	12/10/201	CTG Foundation Top Mat, Bolts, conduits & grnd	See 14 item corr. Notice	12/14/10	Lowell Brown	
16	12/10/10	STIG Cooling Tower Fnd, & Chem Skids	Rebar & bolts o.k.	12/10/10	Lowell Brown	
17	12/12/10	Trailer reinspection for ARB	O.K.	12/12/10	Lowell Brown	
18	12/14/10	CTG Foundation Reinspection	Rebar corrections completed.	12/14/10	Lowell Brown	
19	12/22/10	Cooling Tower Sump Rebar & Grnds	Rebar & grnds o.k.	12/22/10	Lowell Brown	
20	12/22/10	CTG Pedestal Rebar & grnds	See 3 item corr. Notice	12/23/10	Lowell Brown	
21	12/23/10	CTG Pedestal Rebar & grnds Reinspection	Rebar O.K.,	12/23/10	Lowell Brown	
22	01/07/11	Cooling Tower Sump Walls (partial)	Rebar O.K.,	01/07/11	Lowell Brown	
23	01/07/11	Worley Parsons Construction Site Trailer	See 5 Item Correction Notice			
24	01/12/11	CTG Pedestals Rebar and Plates	See 11 item Correction Notice	01/14/11	Lowell Brown	
25	01/14/11	Reinsp. Pedestals and Plates	Items corrected, O.K.	01/14/11	Lowell Brown	

26	01/18/11	Cooling Tower Slab on grade rebar & Water Stop	See (2) item Correction Notice	01/20/11	Lowell Brown	
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No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
27	01/20/11	Reinspect C.T. /SOG, Rebar & Water Stop	Corrections complete, O.K.	01/20/11	Lowell Brown	
28	01/25/11	Gas Compressor Foundation Rebar	Rebar O.K.	01/25/11	Lowell Brown	
29	01/25/11	Oil/Water Sep. Fdn Rebar, bolts & C.T. Walls	Rebar/bolts OWS, rebar O.K. CT Walls	01/28/11	Lowell Brown	
30	02/04/11	STIG Gas Compressor & C.T. Pads Pipe supp.	Rebar, grounds and bolts O.K.	02/04/11	Lowell Brown	
31	02/16/11	Cooling Tower Sump south wall & Lube Oil Curb	Rebar and waterstop O.K.,	02/16/11	Lowell Brown	
32	02/23/11	STG Foundation Rebar, Bolts and Grounds	See (4) item correction list	02/28/11	Lowell Brown	
33	02/28/11	STG Fnd reinsp Rebar, Bolts and Grounds	Rebar, bolts & grounds O.K.	02/28/11	Lowell Brown	
34	03/08/11	Exhaust Outlet Foundation	Rebar /bolts O.K.	03/08/11	Lowell Brown	
35	03/09/11	Blow Down Slump	Rebar / waterstop O.K.	03/09/11	Lowell Brown	
36	03/14/11	Cooling Tower East wall	Rebar waterstop. O.K.	03/11/11	Lowell Brown	
37	03/14/11	CT GST Rebar and Waterstop	Rebar and waterstop O.K.	03/13/11	Lowell Brown	
38	03/16/11	Pump Chamber Cooling Tower	Rebar / clearance / waterstop. O.K.	03/16/11	Kevin Dumford	
39	03/18/11	Cooling Tower Basin Pump	Rebar /clearance/waterstop. O.K.	03/18/11	Kevin Dumford	
40	03/18/11	Waste Water Collection Slump matt	Rebar/waterstop O.K.	03/18/11	Kevin Dumford	
41	03/22/11	STG Condenser Pedestals	Corrections.	03/28/11	Lowell Brown	
42	03/22/11	HRSR Roto Air Cooler Pedestals	Corrections.	03/31/11	Lowell Brown	
43	03/25/11	STG Condenser Pedestals	Corrections.	03/28/11	Kevin Dumford	
44	03/28/11	STG Condenser Pedestals	Rebar Corrections complete O.K.	03/28/11	Kevin Dumford	
45	03/30/11	HRSR Roto Air Cooler Pedestals	Rebar / clearance	03/31/11	Kevin Dumford	
46	03/30/11	Cooling Tower slab center section.	Rebar/waterstop/clearance. O.K.	03/30/11	Kevin Dumford	
47	03/30/11	CT Gen. step up foundation pedestals	Rebar / clearance. O.K.	03/31/11	Kevin Dumford	
48	04/05/11	HRSR utility bridge foundation east side.	Rebar/ clearance. O.K.	04/05/11	Kevin Dumford	
49	04/05/11	CT Gen. step up walls 3ft lift.	Rebar/waterstop/clearance. O.K.	04/06/11	Kevin Dumford	
50	04/05/11	West side HRSR utility bridge foundation.	Rebar/clearance. O.K.	04/06/11	Kevin Dumford	

51	04/05/11	Cooling tower walls (middle).	corrections	04/07/11	Kevin Dumford	
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No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
52	04/07/11	Cooling tower walls (middle).	Rebar/waterstop/clearance. O.K.	04/07/11	Kevin Dumford	
53	04/07/11	Pipping suppoert cooling tower.	Rebar/ bolts. O.K.	04/07/11	Kevin Dumford	
54	04/11/11	Utility bridge (HRSG) west side.	Rebar/clearance. O.K.	04/07/11	Kevin Dumford	
55	04/12/11	Waste water collection sump walls.	Rebar/clearance/waterstop. O.K.	04/12/11	Kevin Dumford	
56	04/12/11	Top of pump chamber cooling tower.	Rebar/clearance. O.K.	04/12/11	Kevin Dumford	
57	04/12/11	Cooling tower pipe supports south of C/T.	Rebar. O.K.	04/13/11	Kevin Dumford	
58	04/14/11	Duct bank at cooling tower to water treatment.	rebar (roadway) and conduit.	04/14/11	Kevin Dumford	
59	04/15/11	HRSG power block.	Rebar/clearance.	04/15/11	Kevin Dumford	
60	04/19/11	STG permimeter foundation.	missing drains correction.	04/21/11	Kevin Dumford	
61	04/20/11	HRSG power block columns.	Rebar/clearance. O.K.	04/20/11	Kevin Dumford	
62	04/21/11	STG permimeter foundation.	Rebar/clearance added drains.	04/21/11	Kevin Dumford	
63	04/25/11	CT Gen step up (blast) walls.	Rebar/clearance. O.K.	04/27/11	Kevin Dumford	
64	04/28/11	Utility bridge (HRSG) foundation F-7 F-8.	Rebar/clearance. O.K.	04/28/11	Kevin Dumford	
65	04/28/11	PDC "1" foundation.	Rebar/clearance. O.K.	04/28/11	Kevin Dumford	
66	05/03/11	PDC "1" columns.	Rebar/clearance. O.K.	05/04/11	Kevin Dumford	
67	05/05/11	Utility bridge HRSG columns	Rebar/clearance. O.K.	05/05/11	Kevin Dumford	
68	05/06/11	ISO phase bus duct	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
69	05/06/11	CT electrical platform foundation	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
70	05/10/11	North boiler feedwater foundation	Rebar/clearance. O.K.	05/10/11	Kevin Dumford	
71	05/11/11	South boiler feedwater foundation	Rebar/clearance. O.K.	05/11/11	Kevin Dumford	
72	05/11/11	HRSG utility bridge F-5 & F-6	Rebar/clearance. O.K.	05/11/11	Kevin Dumford	
73	05/11/11	STG second lift	Rebar/clearance. O.K.	05/12/11	Kevin Dumford	
74	05/11/11	Switchyard foundation F-1,F-2,F-3,F-4 & F-12	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	
75	5/12/20	HRSG utility bridge pedestals	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	

76	05/13/11	CT water drain tank foundation.	Rebar/clearance. O.K.	05/13/11	Kevin Dumford	
77	05/16/11	Circuit breaker foundation switchyard.	Rebar/clearance. O.K.	05/17/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
78	05/17/11	Temp pipe supports.	Rebar. O.K.	05/17/11	Kevin Dumford	
79	05/17/11	Switchyard pole supports F-1,F-2,F-3 & F-4.	Rebar/clearance. O.K.	05/20/11	Kevin Dumford	
80	05/17/11	Switchyard transmission foundations F-7 & F-8.	Rebar/clearance. O.K.	05/20/11	Kevin Dumford	
81	05/23/11	Circuit breaker support foundation.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
82	05/23/11	Electrical equipment foundation.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
83	05/23/11	Platforms & stair foundations.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
84	05/23/11	Switchyard pole supports F-5,F-6 & F-7.	Rebar/clearance. O.K.	05/24/11	Kevin Dumford	
85	05/25/11	Vortey breakers cooling tower.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
86	05/25/11	Circuit breaker pedestals	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
87	05/25/11	10" curb power block.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
88	05/25/11	Boiler fedwater equipment pad.	Rebar/clearance. O.K.	05/26/11	Kevin Dumford	
89	05/31/11	Cooling tower pump platform foundation.	Rebar not ready	06/06/11	Kevin Dumford	
90	06/06/11	STIG gas compressor pipe supports.	Rebat /clearance. O.K.	06/06/11	Kevin Dumford	
91	06/06/11	Cooling tower pump platform foundation.	Rebar/clearance. O.K.	06/06/11	Kevin Dumford	
92	06/06/11	Fuel gas equipment foundations.	Rebar/clearance. O.K.	06/06/11	Kevin Dumford	
93	06/08/11	Water seperator slab.	Rebar/clearance. O.K.	06/08/11	Kevin Dumford	
94	06/10/11	STIG gas compressor pipe supports pedestals.	Rebar/clearance. O.K.	06/10/11	Kevin Dumford	
95	06/13/11	STG third left.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
96	06/14/11	Fuel gas equipment foundations pedestals.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
97	06/14/11	Cooling tower pump foundation pedestals.	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
98	06/14/11	Fuel Gas heater	Rebar/clearance. O.K.	06/15/11	Kevin Dumford	
99	06/16/11	Control Oil skid	Rebar/clearance. O.K.	06/17/11	Kevin Dumford	
100	06/21/11	Transmission foundation F9	Rebar/clearance. O.K.	06/21/11	Kevin Dumford	

101	06/21/11	Clarified Water tank Foundation.	Rebar/clearance. O.K.	06/21/11	Kevin Dumford	
102	06/23/11	Transmission Foundation F 11.	Rebar/clearance. O.K.	06/23/11	Kevin Dumford	
103	06/23/11	Water Treatment building foundation.	Rebar/clearance and waterstop. O.K.	06/23/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
104	06/24/11	STG pedestal P.	Rebar/clearance. O.K.	06/23/11	Kevin Dumford	
105	06/24/11	Air Compressor pipe rack foundation.	Rebar/clearance. O.K.	06/24/11	Kevin Dumford	
106	06/24/11	Transmission Foundation F 10, F 12.	Rebar/clearance. O.K.	06/24/11	Kevin Dumford	
107	06/28/11	Cooling Tower stair pad.	Rebar/clearance. O.K.	06/28/11	Kevin Dumford	
108	06/29/11	STG pedestal.	Rebar/clearance. O.K.	06/29/11	Kevin Dumford	
109	06/29/11	Wash trailer foundation.	Rebar/clearance. O.K.	06/29/11	Kevin Dumford	
110	06/30/11	South stair landing CTG black.	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
111	06/30/11	HRSB bridge stair landing	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
112	06/30/11	STG pipe rack F8, F7.	Rebar/clearance. O.K.	06/30/11	Kevin Dumford	
113	07/01/11	Transmission foundation F1.	Rebar/clearance. O.K.	07/01/11	Kevin Dumford	
114	07/05/11	SUS transformer foundation.	Rebar/clearance. O.K.	07/05/11	Kevin Dumford	
115	07/08/11	Lower slab sump chemical feed unloading.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
116	07/08/11	Water treatment curbs & equipment pads.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
117	07/08/11	Transmission foundation F4.	Not Ready	07/08/11	Kevin Dumford	
118	07/08/11	STG utility bridge foundation pipe rack F4.	Rebar/clearance. O.K.	07/08/11	Kevin Dumford	
119	07/12/11	Water treatment, remainder of equipment pads	Rebar/clearance. O.K.	07/12/11	Kevin Dumford	
120	07/12/11	Chemical feed unloading bottom slab only.	Rebar/ water stop/clearance. O.K.	07/12/11	Kevin Dumford	
121	07/14/11	HRSB power block stair landing.	Rebar/clearance. O.K.	07/14/11	Kevin Dumford	
122	07/14/11	Transformer foundation CTG PDC2.	Rebar/clearance. O.K.	07/14/11	Kevin Dumford	
123	07/15/11	STG utility bridge foundation F2,F5.	Rebar/clearance. O.K.	07/15/11	Kevin Dumford	
124	07/15/11	Transmission foundation F4.	Rebar/clearance. O.K.	07/15/11	Kevin Dumford	
125	07/18/11	Chemical feed unloading rebar wallsonly.	Rebar.O.K.	07/18/11	Kevin Dumford	

126	07/20/11	CTG PDC 2 transformar foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
127	07/20/11	Service water tank foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
128	07/20/11	STG untility bridge F6 pedestal.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
129	07/20/11	Transmission foundation F4.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
130	07/20/11	Transmission foundation F3.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
131	07/20/11	STG utility bridge foundation F1.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
132	07/20/11	Magnesium Oxide,Hydrated tank foundation.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
133	07/20/11	Chemical feed unloading with forms up.	Rebar/clearance. O.K.	07/20/11	Kevin Dumford	
134	07/25/11	Transmission foundation F5.	Rebar/clearance. O.K.	07/25/11	Kevin Dumford	
135	07/27/11	Steam drain tank foundation.	Rebar/clearance. O.K.	07/27/11	Kevin Dumford	
136	07/27/11	STG utility bridge F3 foundation.	Rebar/clearance. O.K.	07/27/11	Kevin Dumford	
137	07/28/11	STG utility bridge F10 F 11 foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
138	07/28/11	Vacuum pump foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
139	07/28/11	STG utility bridge F2 foundation.	Rebar/clearance. O.K.	07/28/11	Kevin Dumford	
140	08/01/11	Ammonia line test 2"	Rebar/clearance. O.K.	08/01/11	Kevin Dumford	
141	08/02/11	STG utility bridge foundation F 16	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
142	08/02/11	STG utility bridge foundation F 12	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
143	08/02/11	STG utility bridge foundation F 14 F 15	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
144	08/02/11	STG utility bridge foundation F 13	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
145	08/02/11	STG utility bridge foundation pedestals F 10 F 11	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
146	08/02/11	STG utility bridge foundation F 9	Rebar/clearance. O.K.	08/02/11	Kevin Dumford	
147	08/04/11	STG step up transformer	need rebar	08/04/11	Kevin Dumford	
148	08/09/11	STG step up transformer	Rebar/clearance and water stop. O.K.	08/09/11	Kevin Dumford	
149	08/11/11	Pad in switch yard.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
150	08/11/11	STG utility bridge foundation F 12 F 14 F 15 F 16.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	

151	08/11/11	STG utility bridge foundation F 9 pedestal.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
152	08/11/11	STG utility bridge foundation F 11 pedestal.	Rebar/clearance. O.K.	08/11/11	Kevin Dumford	
153	08/17/11	Aux Boiler Foundation	Rebar, conduits & Grounds O.K.	08/17/11	Lowell Brown	
154	08/17/11	STG Pedestal Foundation Rebar	Rebar, bolts & grounds O.K.	08/17/11	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
155	08/17/11	STG Pipe Rack F/7 & F/8 Foundation Pedestals	Rebar & bolts O.K.	08/17/11	Lowell Brown	
156	08/17/11	STG (south) Utility Bridge Foundation Pedestals F/7	Rebar & bolts O.K.	08/17/11	Lowell Brown	
157	08/18/11	STG PDC Pipe Support Foundations	Revised from (3) supports to one slab	08/18/11	Lowell Brown	
158	08/19/11	Auxiliary Boiler Pedestal Rebar & Bolts	Rebar & bolts O.K.	08/19/11	Lowell Brown	
159	08/22/11	Pipe Support Foundation Adj. to STG PDC	Rebar O.K., per RFI 1487	08/22/11	Lowell Brown	
160	08/23/11	STG GSU Fire Wall rebar & waterstop	Rebar & waterstop O.K.	08/23/11	Lowell Brown	
161	08/23/11	Fire Pump House Foundation	Rebar and Sleeve O.K.	08/23/11	Lowell Brown	
162	08/23/11	STG Perimeter Foundation, Interior Equipment Pad	Rebar O.K.	08/23/11	Lowell Brown	
163	08/25/11	WTB Bus Support Foundations south side (2)	Rebar O.K.	08/25/11	Lowell Brown	
164	08/25/11	Aux Boiler Chemical Feed Foundation Rebar	Rebar, grounds O.K.	08/25/11	Lowell Brown	
165	08/26/11	Air Receiver Dryer & Aftercooler Foundation	Rebar & grounds O.K.	08/26/11	Lowell Brown	
166	08/30/11	SUS Transformers WTB (south) (2)	Rebar, bolts & grounds O.K.	08/30/11	Lowell Brown	
167	08/31/11	Clarified Water Pump Foundation	Rebar & Bolts O.K.	08/31/11	Lowell Brown	
168	09/06/11	Holiday Test Ammonia (west of HRSG)	Jeep to 13kV O.K.	09/06/11	Lowell Brown	
169	09/12/11	Cooling Water Pumps Foundation	Rebar & grounds O.K.	09/12/11	Lowell Brown	
170	09/12/11	Air Receiver Dryer & Aftercooler Pedestals	Rebar O.K.	09/12/11	Lowell Brown	
171	09/13/11	Condensate Polisher Foundations	Rebar O.K.	09/13/11	Lowell Brown	
172	09/14/11	Condensate Extraction Pumps	Rebar O.K.	09/14/11	Lowell Brown	
173	09/14/11	Condensate Polisher Top mat	Rebar O.K.	09/14/11	Lowell Brown	
174	09/14/11	CP Resin Refill Hopper and Storage Tank Fnds.	Rebar (2 Pads) O.K.	09/14/11	Lowell Brown	
175	09/16/11	Transmission Tower Foundation & Grounds	Rebar & grounds O.K.	09/16/11	Lowell Brown	

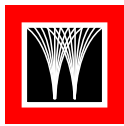
176	09/19/11	WTB Truck Unloading Pad	Rebar O.K.	09/19/11	Lowell Brown	
177	09/19/11	WTB Raw Water Treatment Foundation	Rebar & grounds O.K.	09/19/11	Lowell Brown	
178	09/21/11	Condensate Extraction Pumps Foundation	Rebar cut to fit, need Engineer's approval	10/10/11	Lowell Brown	
179	09/21/11	Condensate Feed Water Pumps Pedestals	Rebar O.K.	09/21/11	Lowell Brown	
180	09/21/11	Condensate Polish Resin Hopper & Storage	Rebar O.K.	09/21/11	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
181	09/23/11	STG Pedestal Extension	Rebar O.K.	09/23/11	Lowell Brown	
182	09/27/11	WTB South Chem. Feed Area Fnd.	Reba & grounds O.K.	09/21/11	Lowell Brown	
183	10/07/11	STG/GSU Fire Walls rebar	Rebar O.K.	10/07/11	Lowell Brown	
184	10/10/11	Extraction Pump Foundations, rebar	Rebar O.K.	10/10/11	Lowell Brown	
185	10/14/11	Waste Water Tank (NCPA)	See 14 item C/N			WP Review reqd
186	10/21/11	Service Water Tank (NCPA)	See 9 item C/N			WP Review reqd
187	10/25/11	Chemical Feed Tank Pads, rebar	Rebar & grounds O.K.	10/25/11	Lowell Brown	
188	10/27/11	Sample Panel Foundation rebar	Rebar & grounds O.K.	10/27/11	Lowell Brown	
189	10/31/11	WTB Mezzanine Deck rebar	Rebar O.K.	10/31/11	Lowell Brown	
190	11/03/11	Inlet Gas Scrubber and North Gas Compressor Fnd.	Rebar bolts & Grnds O.K.	11/03/11	Lowell Brown	
191	11/10/11	South Gas Compressor	Rebar, botls & Gnds O.K.	11/10/11	Lowell Brown	
192	11/15/11	Aux. Boiler Control Panel Fnd. & Cems Cabinet Fnd.	Rebar O.K.	11/15/11	Lowell Brown	
193	11/15/11	WTB Mezz. Equipment Pads Rebar	Rebar O.K.,	11/15/11	Lowell Brown	
194	11/15/11	BA System Electrical Punchlist	Progress, see 15 item correction list			
195	11/16/11	Switchyard In-progress Inspection of installations	230 kV. Switchyard punchlist progress	12/13/12	Lowell Brown	
196	11/16/11	Rebar Insp for Circuit Breaker Fnd.	Rebar O.K., (2) fnds.	11/16/11	Lowell Brown	
197	11/23/11	WTB Waste Solids Storage Tank	Reba & Gnds O.K.	11/23/11	Lowell Brown	
198	11/28/11	WTB South Chem. Feed Area walls	Rebar O.K.	11/28/11	Lowell Brown	
199	11/29/11	STG GSU Circuit Breaker (4) pedestals	Rebar & Bolts O.K.	11/29/11	Lowell Brown	
200	11/29/11	Iso-Phase Foundations rebar	Rebar & Bolts O.K.	11/29/11	Lowell Brown	

201	12/02/11	Fuel Gas pipe support foundations	Rebar, bolts and grounds O.K.	12/02/11	Lowell Brown	
202	12/02/11	4160v Systems electrical Walkdown	See 8 item correction list			
203	12/07/11	Filter Press Feed Pumps Foundations	Rebar & bolts O.K.	12/07/11	Lowell Brown	
204	12/08/11	Cooling Tower Walls, Pump Basin Stair Landings	Rebar O.K.,	12/08/11	Lowell Brown	
205	12/08/11	Air Receiver extension & Pipe Support Foundations	Rebar O.K.,	12/08/11	Lowell Brown	
206	12/13/11	PG & E Switchyard Release	O.K., to energize	12/13/11	Lowell Brown	

No.	Date	Description of area of work:	Open Item(s)	Signed off	CBO Approval	Open Item
207	12/15/11	Misch Pipe Supports rebar, STG, HRSG & Gas Comp	Rebar O.K.,	12/15/11	Lowell Brown	
208	12/15/11	WTB W. Yard Cable Tray Support Foundations	Rebar O.K.,	12/15/11	Lowell Brown	
209	12/21/11	Solids Forwarding Pump Pad, Lamella Clarifier	Rebar O.K., need grnds relocated & bolts	12/22/11	Lowell Brown	
210	12/22/11	Misc. Pipe Supports & STIG Waste Pump Found.	Rebar O.K.	12/22/11	Lowell Brown	
211	12/28/11	Waste Water Injection Skid & Lam. Foundations	Rebar O.K.,	12/29/11	Lowell Brown	
212	01/04/12	Water Treatment Building Fire Stop installation	O.K.	01/04/12	Lowell Brown	
213	01/10/12	Misc. pipe Supports #4, 50, 51, 52, & 56	Rebar O.K.	01/04/12	Lowell Brown	
214	01/10/12	WTB Loading Dock Rebar, landing for door	Rebar O.K.	01/10/12	Lowell Brown	
215	01/10/12	Ammonia Feed & Oxygen Foundations	Rebar O.K.	01/10/12	Lowell Brown	
216	01/10/12	Cooling Tower Ladder landing, & Cable Tray supp.	Rebar O.K.	01/10/12	Lowell Brown	
217	01/11/12	STG GSU Fire Wall Therma-Fiber	O.K.	01/11/12	Lowell Brown	
218	01/18/12	Raw Water Feed (at Sewer Plant)	Pipe supports to be grouted, valve tags			Provide As-Built
219	01/18/12	Cooling Tower Walk-down Upper Section	See 13 items X 7 Cells List			
220	01/19/12	Cooling Tower Walk-down Lower Section	See 3 item Correction List			
221	01/19/12	Cooling Tower Rough Electrical	Rough O.K., Need approved Plans			Need CBO Plans
222	01/24/12	Cooling Tower Lightning Ground Cadwelds	10 complete, (1) remains	01/24/12	Lowell Brown	
223	01/25/12	Cooling Tower Chem Feed Foundation	Rebar, conduit & Grounds O.K.	01/25/12	Lowell Brown	
224	01/25/12	WTB Door Stoops and Pipe Support fnds.	Rebar O.K., 14 locations Misc. supports	01/25/12	Lowell Brown	
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WorleyParsons

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Lodi Energy Center Project Safety Summary for January, 2012

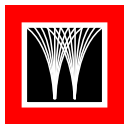
Prepared by WorleyParsons Construction Safety Supervisor; J.E.Selvey

New hires, Training, Hours, and Statistics:

Recordables:	0
Near Misses;	0
First Aids:	0
New Restricted Work Cases	0
Vehicle Incidents:	0
230 kV SY training for month:	0
Total SY trained:	98
New hire orientations:	48
ARB average workers for month	275

Incident Rates (IR) and Hours Worked; Monthly, YTD, and JSTD

	January		Year to Date		Job Start to Date
ARB Hours	50,301		50,301		631,158
ARB IR	0		0		0.63376
SPX Hours	1,810		1,810		19,358
SPX IR	0		0		10.33165
Total Hours	52,111		52,111		650,516
Combined IR	0		0		0.92234



Findings

Vehicles

- No vehicle incidents
-

First Aids/Incidents

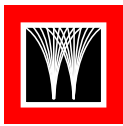
- No first aids or incidents
-

PPE

- Soft hood problems continue to crop up now and then. *Variances are being issued where it is absolutely necessary to take off hard hats to make welds.*
 - In the morning with low temperatures it is difficult to wear respiratory protection because safety glasses fog up almost immediately. *When welders are working in the morning ventilation is being provided in either a “capture system” or fans.*
 - There have been a few instances of people in minimally lighted buildings with dark glasses on. *Workers have been told if they are to **work** in one of these buildings to wear clear glasses.*
 - Well drilling equipment very noisy. *Suggested to ARB Safety that they needed ear plugs. They wore them for the most part from then on.*
-

Housekeeping

- Steady stream of trash and debris leaving the site. Attention needs to go to access ways. They need to be kept clear at all times.
- Smoking area back by the WorleyParsons trailer is a mess. *They cleaned it and provided a suitable receptacle for the butts.*
- There are piles of broken concrete, rocks, and dirt scattered around with some of them close to stairway accesses. *ARB has been dealing with them as they have time.*

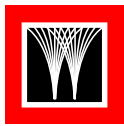


Job Hazard Analyses

- My audits of JHAs uncovered several that were boilerplated with no additional hazards or mitigations added by the workers as expected. This was one of the problems with the JHA written for the yard where the Switchgear was dropped. *Spoke with ARB Safety and they promised to speak with the foreman responsible.*
 - On the same JHAs it was boilerplated that handles could be taken off grinders, guards could be removed from grinders and soft welding hoods could be worn. There are not too many times in new construction where these things have to be done because of tight quarters. The JHAs are being used to get around the rules. *Same as above; ARB Safety spoke with foreman responsible. Upon follow ups, the problem was over.*
-

Site Observances and Events

- Earplugs are still available in the WTB and STG enclosures due to noise volumes.
- When cranes are set in an area, attention needs to go to keeping a walkway free of tripping hazards around the outriggers. *This is something Safety needs to pay attention to and address as the situation(s) demand*
- Lighting issues coming up again. Light levels will be brought up to OSHA compliance and then somebody will unplug a light because they need power. *Tagged the power to lights saying “Do Not Unplug Light” Light levels have remained good since.*
- Mentioned that the Assured Grounding Program colors for the quarter needed to be updated.
- Pipe was being off loaded from a flat bed truck w/o the use of tag lines. *Safety spoke about the need for tag lines every time a load is lifted or moved*
- Saw pipe and material stacked at the bottom of stairs and other access ways. *Safety spoke with foremen involved and told them to keep access ways clear of material.*
- Permanent holes under the solids presses had no toe board and there are people working directly underneath. *May be a design issue to be addressed later, but meanwhile ARB installed toe board all around the holes*
- Welding leads were badly routed across a busy man lift area. *They re-routed the leads at Safety’s request*
- Some storage issues with O2/Acetylene bottles. *Addressed the issues with ARB Safety and they immediately saw to the problem. It was mentioned at the Wednesday all hands meeting as well. I saw no repeats of the problem.*
- People working off ladders next to the handrail of the Mez deck need to be tied off if within 6 feet of the handrail. *Signs were made and posted. Have seen no repeat violations*
- Some bad configurations of come-alongs around here and there. *Haven’t seen this particular problem for quite a while. ARB Safety dealt with them as they came up and mentioned it at the Wednesday all hands meeting again*



Site Observances and Events, cont.;

- There is not ventilation in the WT building especially in the 4160kV room upstairs. Galvanized stairs were being welded on and the smoke was gathering in the room. *Spoke with ARB Safety regarding this. Fans were installed and personal fume arrestors were used when welding on the galvanized metal.*
 - Need to leave road access clear at the end of the day. Equipment and material starting to encroach.
 - “Confined Space” signage needs to be installed on all tanks *This is done with only a couple more needed*
 - An extended boom man lift is on site with no Owner’s Manual or container on the basket to hold it and daily inspection sheets. *The lift was not used any more and taken off site*
-

Positive Observations:

- Attitudes remain high with communication between trades and companies good.
 - Low areas that collect rainwater are being filled in.
 - Access to pads is being dealt with. Ramps, stairs, and piles of dirt are being used to bring elevation changes within OSHA compliance
-

Environmental/Emergency Response;

- SSA looks good with last barrel picked up.
- No spills or animals found

Exhibit 11

Correspondence, Filings, or Permits Issued by Other
Governmental Agencies

None for this reporting period.

NCR NO.	Date Rec'd.	Description of NCR	Date Closed	Remarks
1	12-1-10	Inadequate clearance DB0721	2-17-11	Closed
2	12-1-10	Inadequate clearance DB0411	2-17-11	Closed
3	12-9-10	Shut off valve for hydrant closer than detailed.	7-29-11	Closed
4	1-25-11	Spacer Issues Duct bank 0421	2-17-11	Closed
5 B1	2-7-11	Damage to bundle drain couplet	11-18-11	Closed
6	2-18-11	Low concrete breaks cooling tower foundation west block of foundation	3-18-11	Closed 56 Day breaks, 4280psi, 4260psi
7	2-25-11	Wood Group flame cut holes in compressor frame without prior approval	3-4-11	Closed RFI 1211
8	3-3-11	Low concrete breaks Gas compressor pad	3-10-11	Closed per engineering evaluation. 56 day break 3900psi
9	4-5-11	Low concrete breaks DB0221 bottom lift.	4-27-11	Closed 56 Day breaks, 2330 psi
10	5-5-11	Low concrete break mid section cooling tower. Pour #102	6-1-11	Closed 56 day break 4290psi
11	4-19-11	Turbine Support bolt off location	4-27-11	Closed RFI 1276
12	4-26-11	Embed plates cast off center HRSG sump	7-27-11	Closed RFI 1291
13	5-12-11	CT enclosure anchor bolts off location	6-11-11	Closed RFI 1314
14	5-24-11	Electrical vaults leaking water		Pending final walk down
15	6-2-11	Low concrete break CTG PDC pedestals	6-30-11	Closed. 56 day break 4480PSI
16	6-15-11	Grout @ CTG package failed to bond	6-21-11	Closed
17	6-15-11	Grout on STIG pipe supports coming out		Remove, rebush & regrout
18	7-21-11	Low concrete break water treatment building. 3940 psi	8-18-11	56 day results 8-18-11 4250PSI CLOSED
19	8-11-11	Damaged valve 11LBB40AA503	10-18-11	CLOSED
20	8-12-11	Low concrete b. 3940 break F4 Transmission foundation	9-9-11	Closed 56 day results 4080psi
21	8-18-11	Low concrete b. 3730 psi break F3 Transmission foundation	9-15-11	Closed 56 day results 4040psi

22	8-16-11	Low concrete b. 3720 psi break F2 Transmission foundation	9-13-11	Closed 56 day break results 4220psi
23	9-21-11	Wall thickness of 10" P91 deficient 10 LBA 20 Sht. 1	9-21-11	Closed SI 2011-35rev.1
24	10-11-11	LBA 20-001-03 C 90 degree elbow ID out of tolerance	10-12-11	Closed
25	10-12-11	Clarified Water tank leaching water around base ring	11-15-11	Site instruction 2011-0052
26	10-18-11	Low concrete b. 3920 break after 56 days. Equipment pad east side of the STG enclosure foundation	11-21-11	Closed 90 day results 4220 psi
27	10-18-11	Low concrete break. 3810 F6 Transmission foundation	11-11-11	Closed 56 day results 4460 psi
28	11-8-11	Reactors in water treatment not holding water	11-15-11	Site instruction 2011-0052
29	12-21-11	Expansion joints in cooling tower calking pulling apart		
30	12-27-11	Wall thickness of 18" P91 deficient 10 LBB 52 Sht. 1 IPS Spool	12-27-11	Removed 1/2" to get to proper wall thickness
31	12-29-11	Incorrect bevel prep on 18" P91 spool from IPS	12-28-11	Valve prepped to match use as is